

Incidence of Extra-Floral Nectaries and their Effect on the Growth and Survival of Lowland Tropical Rain
Forest Trees

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Summary

Mutualistic relationships between organisms have long captivated biologists, and extra-floral nectaries (EFNs), or nectar-producing glands, found on many plants are a good example. The nectar produced from these glands serves as food for ants which attack intruders that may threaten their free meal, preventing herbivory. However, relatively little is known about their impact on the long-term growth and survival of plants. To better understand the ecological significance of EFNs, I examined their incidence on lowland tropical rain forest trees in Yasuni National Park in Amazonian Ecuador.

Of those 896 species that were observed in the field, EFNs were found on 96 species (11.2%), widely distributed between different angiosperm families. This rate of incidence is high but consistent with other locations in tropical regions. Furthermore, this study adds 13 new genera and 2 new families (Urticaceae and Caricaceae) to the list of taxa exhibiting EFNs.

Using demographic data from a long-term forest dynamics plot at the same site, I compared the growth and survival rates of species that have EFNs with those that do not. This same analysis was also done with data from two other sites with EFN surveys, Barro Colorado Island, Panama and Pasoh Forest Reserve, Malaysia. Results showed that while species with EFNs have generally higher diameter growth rates, they also have higher mortality rates than species without, suggesting a cost to this ecological strategy.

Keywords: extra-floral nectaries, tropical forest, growth rate, mortality rate

Introduction

Tropical forests represent a fascinating yet incredibly complex web of interactions, the ecology of which, in many cases, is still largely enigmatic, and the mechanisms that generate and maintain the remarkable diversity of plants and animals found within them remain a fundamental question in biology (Palmer 1994, Hubbell 2001, Wright 2002). While one suite of mechanisms are purely stochastic in nature (e.g. Hubbell 2001) many other mechanisms depend on niche differences between species to permit coexistence (Chesson 2000, Silvertown 2004). Niche differences are driven primarily in response to selection pressures, which in tropical forests include competition with neighbors for (often low levels of) light, nutrients and water (Chapin et al. 1986, Denslow et al. 1987, Chazdon & Pearcy 1988), as well as intense predation pressure from pests, pathogens and herbivores (Barone 2000, Novotny et al. 2010).

Herbivory represents a particularly selective force,

as up to 20% of plant net primary production may be consumed each year (Agrawal 2011). In response, tropical rain forest trees have developed a myriad of defense mechanisms, from physical (e.g. spines, hairs; Hanley et al. 2007) to chemical (e.g. low nutrition, toxic compounds; Feeny 1976, Levin & York 1978, Coley & Barone 1996). Further, many plants have evolved mutualistic relationships with animals in an effort to deter herbivores. A common mutualism is with ants and such ant-plant relationships offer a considerable measure of defense from herbivory, and can have a positive impact on plant performance (Beattie 1985).

One such example of ant-plant mutualisms are extra-floral nectaries (EFNs), which are nectar-producing glands found outside of a plant's flower, typically at the base of the leaf or on the petiole, although their location can vary considerably on the plant (Figure 1). EFNs vary in morphology, ranging from raised bowls or bulbs to very small hairs and tissues (Elias 1983). The nectar produced by these

glands serves as a food source, primarily for ants, which are believed to provide protection to the plant in return, by way of aggression toward intruding organisms including herbivores (Bentley 1977a, Keeler 1977, 1989, Koptur 1992). This form of ant protectionism can result in reduced damage to both vegetative and reproductive parts, improving plant performance and fitness (Koptur 1992, Oliveira 1997). However, relatively little is known about their overall ecological impact at the population and community levels as well as on the long-term performance of individual plants.

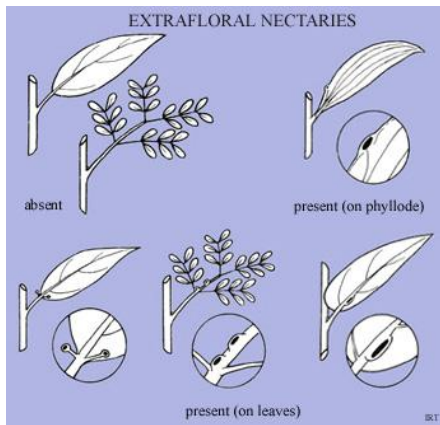


Fig. 1 Example structure and locations of extra-floral nectaries on plants. Source: Australia Biological Resources Study (environment.gov.au/biodiversity/abrs)

Previous intensive surveys have determined the incidence of EFNs on Barro Colorado Island, Panama (Schupp & Feener 1991) and in the Pasoh Forest Reserve, Malaysia (Fiala & Linsenmair 1995). These studies provided an excellent picture of the distribution of EFNs at these sites, and until last year were the best data available on the phylogenetic distribution of EFNs. However, new work has drawn together all available data on EFN incidence currently known, to examine the phylogenetic distribution of EFNs throughout the plant phylogeny (Weber & Keeler 2012). This study found 1.0-1.8% of plant species had EFNs, distributed in 108 families, although the authors suggest that the unknown incidence of EFNs

may be as great as the their currently known incidence (Weber & Keeler 2012), requiring further in-depth studies of EFN incidence within and between plant communities.

In this study, I expand upon our prior understanding by undertaking an intensive survey of EFN incidence of tree species in an old growth Neotropical aseasonal lowland rain forest, an environment that has not yet been studied for EFNs. I analyze the long-term demographic rates of trees with and without EFNs to elucidate the ecological significance of this defensive strategy. In a large permanent forest plot in Yasuni National Park, Ecuador, I examined 896 species of tree for the presence or absence of EFNs. I used published census data to compare abundance, and growth and mortality rates of trees with and without EFNs. Finally, I also used the results of surveys in BCI and Pasoh to examine how plant performance is related to EFN incidence there, such that a comparison of the phylogenetic distribution and demographic rates related to EFN can be made between three study sites. If mutualism with ants, and EFNs in particular, provide a benefit, I predict higher abundance and greater performance in species with EFNs.

QUESTIONS

1. What is the incidence and phylogenetic distribution of extra-floral nectaries on trees in a lowland Neotropical rain forest?
2. Do trees with extra-floral nectaries have different abundances, and growth and mortality rates than trees without extra-floral nectaries?
3. How do findings from our study site compare with other locations in which the incidence of extra-floral nectaries have been studied?

Methods

STUDY SITES

I carried out fieldwork in Yasuni National Park, Ecuador, and used published data from Barro Colorado Island, Panama (Feener & Schupp 1991) and

Pasoh Forest Reserve, Malaysia (Fiala & Linsenmair 1995) on the incidence of EFN (Figure 2).

Yasuni National Park and adjacent Huaorani territory comprise 1,600,000 ha of largely pristine tropical lowland aseasonal rain forest in eastern Ecuador (Finer et al. 2009, Bass et al. 2010). Yasuni Scientific Research Station, established and maintained by the Pontificia Universidad Catolica del Ecuador, is located in the north-western corner of the park, in terra firme, mature forest bordering the Tiputini River. The research station maintains a 25 ha Forest Dynamics Plot (FDP, 0°41'S, 76°24'W), which lies along two smaller ridges dominated by red clays and separated by a valley characterized by brown or grey alluvium (Valencia et al. 2004). The plot is extremely biologically diverse, with a described tree species count of 1,104 (Valencia et al. 2004). The climate at Yasuni is aseasonal, with an average annual rainfall of 2,826 mm, with no month receiving less than 100 mm of rainfall (Valencia et al. 2004).

Barro Colorado Island (BCI), Panama is a 1,560 ha island located in Gatun Lake, formed when the Panama Canal was developed. The 50 ha Forest Dynamics Plot was established in 1980 and is maintained by the Smithsonian Tropical Research Institute (STRI). The FDP is located near the center of BCI (9°9'S, 79°50'W) and consists primarily of lowland moist tropical forest, about half of which is mature growth. There is a relatively high diversity of trees at the FDP, with 321 different species of tree recorded. The climate at BCI is seasonal, with a dry season lasting roughly from December to April or May and an average annual rainfall of 2,551 mm (Leigh et al. 2004).

Pasoh Forest Reserve, Malaysia is a 11,000 ha reserve situated in peninsular Malaysia. The 50 ha Forest Dynamics Plot situated within the reserve (2°58'N, 102°18'E) was established in 1986 and is maintained by the Forest Research Institute Malaysia. The forest consists primarily of lowland mixed dipterocarp forest, and is surrounded by roughly 1,000 ha of previously logged forest. The FDP at Pasoh has a tree diversity of around 824 species. The climate at Pasoh is seasonal, with dips in precipitation

in January-February and June-July, and an average annual rainfall of 1,571mm (Manokaran et al. 2004).

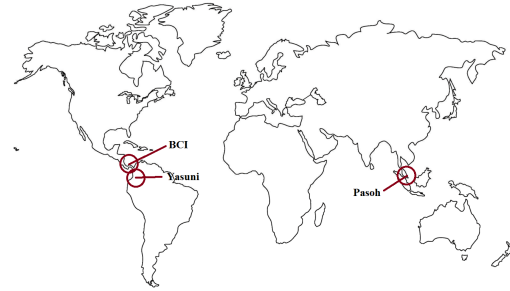


Fig. 2 Locations of Yasuni National Park, Barro Colorado Island and Pasoh Forest Reserve

FIELD SURVEYS

I undertook a survey for incidence of extra-floral nectaries on woody species at Yasuni in June-August 2012. Species were censused in three ways. In the field, I searched along trails within and around the FDP and found 787 species. A further 109 rare species were found by searching for specific individuals within the FDP. In this way, I examined a total of 896 species in the field (81% of the total 1,104 species in the FDP). The remaining 208 species that I could not find in the field were checked from dried specimens in the field station herbarium. This method was effective for those plants with obvious nectary structures (e.g. Fabaceae), although dried structures are much more difficult to identify than living structures. Therefore, species with EFNs determined in the herbarium were included only in demographic analysis.

Data on the incidence of extra-floral nectaries for species from the other two sites were obtained from Schupp & Feener (1991, BCI) and Fiala & Linsenmair (1995, Pasoh). I added to these data with new data from Croat (1978) and Garwood (2009), for species located in the BCI FDP.

DEMOGRAPHIC DATA

At all three sites, identical methodology was followed to establish large forest plots. All plots were professionally surveyed, and within them every shrub and tree stem >1 cm diameter at breast height (DBH, 1.3m) are mapped, marked, measured and identified every 5 years (Condit 1998). To date, three censuses have been carried out at Yasuni, four at BCI and three at Pasoh. All demographic data can be found at the Center for Tropical Forest Science website (www.ctfs.si.edu, for a summary, see Table 1).

From these census data, demographic rates have been calculated (Condit et al. 2006). Annual mortality (survival from one census to the next) and growth rates (diameter increment) were determined using Bayesian hierarchical models. Abundance and demographic rates were calculated for each species for individuals in two size classes: 1-10 cm DBH and >10 cm DBH. For consistency, census years leading up to or closest to the year 2000 were used. For each species, I also assigned growth form (shrub, treelet, understory tree, canopy tree or emergent tree). Finally, the higher-level taxonomy for each site was updated to reflect the Angiosperm Phylogeny Group III (APG III) system (The Angiosperm Phylogeny Group 2009).

DATA ANALYSIS

To examine the taxonomic distribution of extra-floral nectararies, I compared the proportions of individuals, species, genera, families, and orders with EFNs at each site using a proportion test. To test whether species with EFNs were more abundant than species without, and also whether species with EFN had higher growth rates and higher mortality rates, I used linear regression. All data analysis was completed in the statistics package R version 2.15.1.

Results

I surveyed shrub and tree species at three tropical forest sites for extra-floral nectararies. At Yasuni, I

censused 896 species out of 1,104 species on the FDP. At BCI, Schupp & Feener (1991) surveyed 173 species, though only 150 of these are present on the FDP (of 321 total). Using additional references, I added another 24 species with EFNs. At Pasoh, Fiala & Linsenmair (1995) surveyed 741 out of 824 species. Thus, I have a good sample of the species at each site, and most of the unsurveyed species are rare and thus non-representative of the community as a whole. Details of species from each site with EFN can be found in Appendix 2.

TAXONOMIC DISTRIBUTION

At Yasuni, I found 96 species with extra-floral nectararies (11.2% of the total 896 species, Figure 3a). These were distributed among 41 genera and 17 families. Over half (58) of the species with EFNs were in the family Fabaceae, largely thanks to the diversity of *Inga* (44 species) at Yasuni, all of which have EFNs. Seventy-nine percent of all species with EFNs were found within either the Fabales or Malpighiales orders. In addition, I documented 13 new genera and 2 new families (Caricaceae and Urticaceae) to the global list of taxon exhibiting EFNs (Keeler 2013).

At BCI, 49 (32.7%) of 150 species of tree were found to have EFNs (Schupp & Feener 1991, Figure 3b). They were distributed among 31 genera and 19 families (Figure 2b). Eighteen species with EFNs were in the family Fabaceae, also due largely to the diversity of *Inga* (15 species). Similar to Yasuni, 61% percent of all species with EFNs were found within either the Fabales or Malpighiales orders.

At Pasoh, 80 (9.7%) of 824 species were found to have EFNs (Fiala & Linsenmair 1995, Figure 3c). They were distributed among 47 genera and 16 families. Unlike Yasuni and BCI, Pasoh exhibited a more even distribution of EFN bearing trees across different taxa. Euphorbiaceae, rather than Fabaceae, exhibited the most species with EFNs (21 species). Forty percent of all species with EFNs were in the order Malpighiales, while the next most important order was Malvales containing 17.5% of species with EFNs.

Across all study sites, Yasuni and Pasoh were

Table 1 Demographic rates and abundances for all tree species per hectare across all three sites. Growth is measured in mm per year, mortality in % per year and abundance in individuals per ha.

| | | 1-10 cm DBH | | | >10 cm DBH | | |
|-----------|------|-------------|--------|--------|------------|-------|-------|
| | | Yasuni | Pasoh | BCI | Yasuni | Pasoh | BCI |
| Growth | Min | 0.79 | 1.02 | 0.90 | 0.22 | 0.27 | 0.27 |
| | Max | 6.25 | 3.13 | 8.69 | 3.01 | 1.66 | 4.22 |
| | Mean | 1.76 | 1.57 | 2.53 | 0.74 | 0.60 | 1.04 |
| | SD | 0.62 | 0.26 | 1.30 | 0.39 | 0.20 | 0.60 |
| Mortality | Min | 0.27 | 0.43 | 0.23 | 0.36 | 0.51 | 0.33 |
| | Max | 20.41 | 19.21 | 30.90 | 16.68 | 7.58 | 17.70 |
| | Mean | 2.04 | 1.99 | 4.31 | 1.49 | 1.87 | 2.72 |
| | SD | 2.27 | 1.67 | 4.66 | 1.02 | 0.75 | 2.20 |
| Abundance | Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Max | 184.60 | 159.88 | 638.56 | 71.96 | 11.16 | 36.56 |
| | Mean | 5.64 | 6.51 | 21.10 | 0.72 | 0.69 | 1.99 |
| | SD | 13.10 | 14.71 | 70.45 | 2.91 | 1.33 | 4.31 |

most similar in their proportion of species with EFNs (11.2% in Yasuni, 32.7% in BCI, and 9.7% in Pasoh). BCI exhibited an incidence of species with EFNs up to three times greater than Yasuni and Pasoh, and at all taxon levels, BCI showed greater proportions of plants with EFNs than both Yasuni and Pasoh. However, BCI exhibited a much lower incidence of EFNs at the individual level compared with other study sites. The distribution of species with EFNs in each family for each site can be seen in Figure 4.

ABUNDANCE, AND GROWTH AND MORTALITY RATES

Species varied widely in their abundances, growth and mortality rates (Table 1). Species at BCI were on average three times more abundant than species from Yasuni and Pasoh, which reflects the lower species richness found at BCI. Both growth and mortality rates were also much higher at BCI than those found at Yasuni or Pasoh.

In accordance with my prediction, species with EFN had higher mean abundance than species without EFNs at Yasuni and Pasoh, but this was not

the case at BCI (Figure 5 a, b, c). At Yasuni, species abundances for trees with EFNs were 25-30% greater than those without. At Pasoh, these differences were even greater, where those species with EFNs were 114-117% more abundant than those without. In contrast, at BCI trees in the small size class without EFNs were almost 170% more abundant, and abundances were lower for those individuals >10 cm DBH.

Significantly greater growth rates were found in trees with EFNs in each plot, although this differed with size class between sites. At Yasuni, trees with EFNs in both size classes had higher growth rates, growing about 0.28 mm extra per year than species without EFNs. At BCI only trees in the small size class had significantly higher growth rates, and at Pasoh only trees in the large size class (Figure 5e, f).

Significantly higher mortality rates were found for species with EFN in the large size class (trees >10 cm DBH) at all three sites (Figure 5g, h, i), and in Pasoh trees 1-10 cm DBH also had significantly higher mortality rates. In all cases growth and mortality rates were found to be either greater or the same in trees with EFNs.

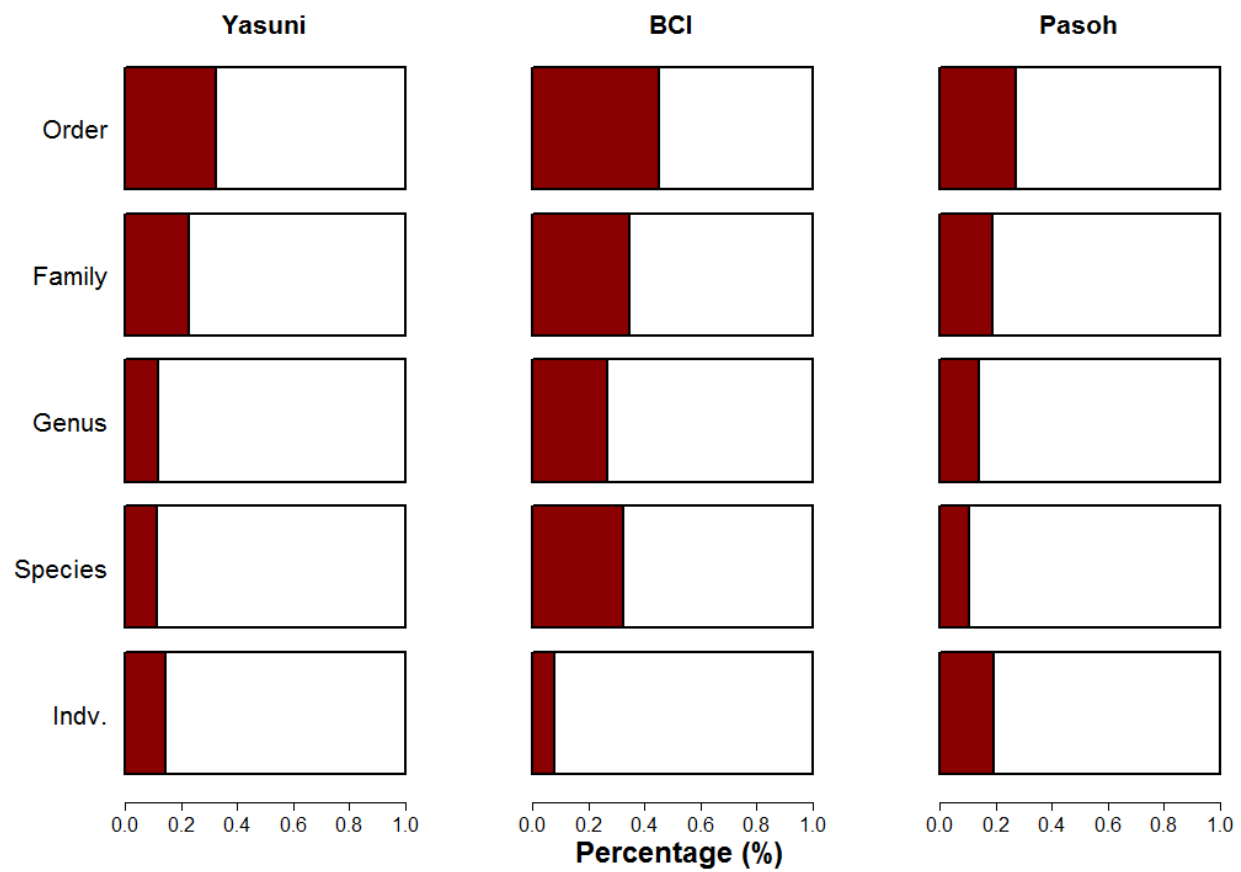


Fig. 3 Proportion of trees that exhibit EFNs at the individual and varying taxonomic levels, by location.

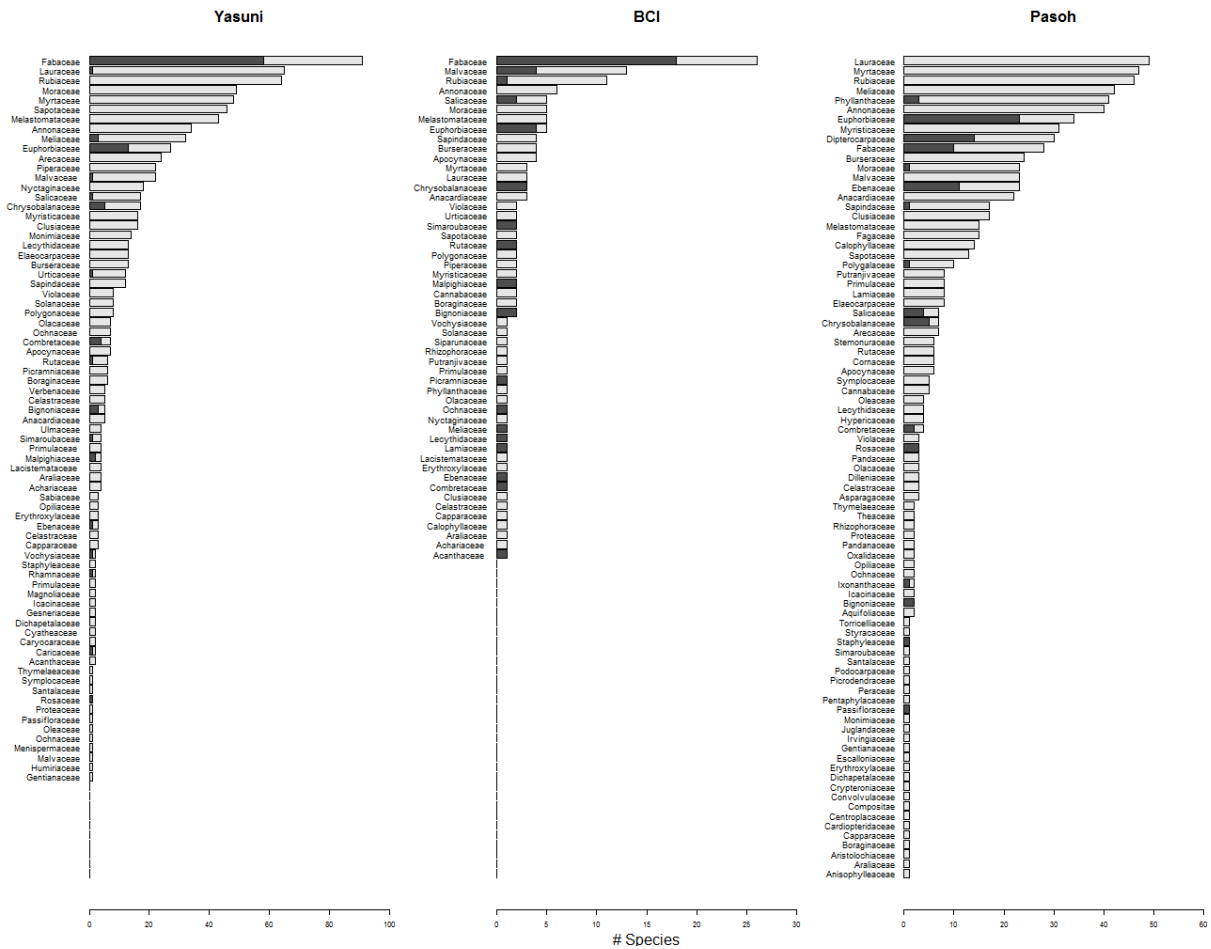


Fig. 4 Number of species examined in each family at each site, with dark bars representing species with extra-floral nectaries.

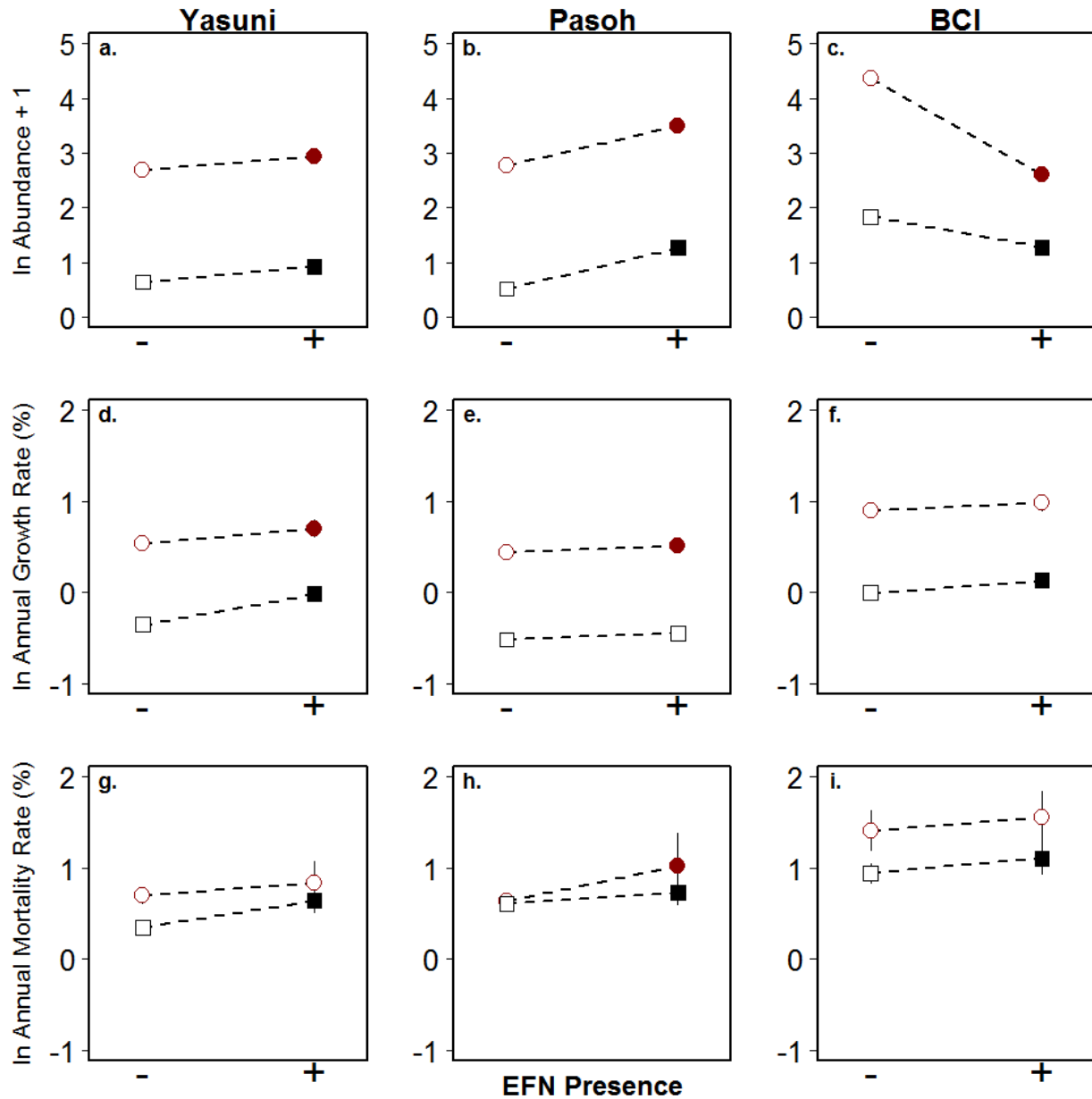


Fig. 5 Abundance (a,b,c), and growth (d,e,f) and mortality (g,h,i) rates as a function of EFN presence in shrub and tree species in three tropical forest sites. Points are mean values per EFN group, split into two size classes: trees ≤ 10 cm DBH (red circles), trees > 10 cm DBH (black squares). Points connected by dashed lines that are filled indicate statistical difference at $P < 0.05$. Error bars show 95% confidence intervals.

Discussion

From an intensive field survey of 896 tree and shrub species in an Amazonian lowland tropical rain forest, I documented 96 species with extra-floral nectaries, 64 of which had not previously been recorded as possessing EFNs. Comparing Yasuni with two other intensive survey sites, I found that the distribution of EFNs across taxa was consistent between Yasuni and Pasoh, and broader at BCI. The reverse was found to be true in terms of total EFN presence on individuals at each plot. Species with EFNs appeared to be more successful ecologically at Yasuni and Pasoh, having higher abundance than species without EFNs, while at BCI the opposite was true. Further, I found a significant effect of EFN incidence on long-term plant performance. Tree species with EFNs showed higher growth and mortality rates compared to those without EFNs at all three sites in at least one size class.

TAXONOMIC DISTRIBUTION AT YASUNI

This study adds 13 new genera and 2 new families (Caricaceae and Urticaceae, Appendix 1) to the list of taxon exhibiting EFNs. This increases the global number of families with EFNs to 110, 17 of which are found at Yasuni. The family with the most number of EFNs at Yasuni was Fabaceae, which is also true globally. However, the family Euphorbiaceae had the second highest incidence of EFNs at Yasuni, which stands in contrast to global patterns which show Passifloraceae and Malvaceae as second and third, respectively. Only one species from Malvaceae had nectaries at Yasuni, while there were none from Passifloraceae, although I did not survey any vines and lianas, the predominant growth form of Passifloraceae. The presence of EFNs at Yasuni was much greater than the currently known worldwide incidence (11.2% at Yasuni, to 1.5% worldwide, Weber & Keeler 2012).

TAXONOMIC DISTRIBUTION BETWEEN SITES

All three locations exhibited fairly equivalent distribution of EFNs across taxon, with BCI representing the greatest breadth of distribution. Oddly, BCI also exhibited the lowest total number of individuals with EFNs, despite the wide taxonomic distribution and greater number of species relative to Pasoh and Yasuni. Pasoh, which overall had the smallest phylogenetic distribution and species count of those trees with EFNs, had the greatest number of individuals with nectaries. It is not certain what might cause this trend, though care should be taken labeling this a trend from only three plots. This relationship could be examined in other plots to determine whether a trend truly exists.

In Yasuni, BCI and Pasoh the orders Fabales and Malpighiales are well represented by species with EFNs, with at least 10 species being found in each order with EFNs. Unlike in BCI and Yasuni, the orders Ericales and Malvales were also found to have at least 10 species with EFNs in Malaysia, according to Fiala & Linsenmair (1995). EFNs were found in both of these families in BCI and Yasuni, but not to the extent that they were found in Pasoh. As such, despite an overall smaller distribution of EFNs across orders in Pasoh (27% in Pasoh, as opposed to 33% and 36% in Yasuni and BCI, respectively), more families were well represented by species with EFNs. BCI and Yasuni, then, have a thinner distribution of EFNs across orders. This is generally the case for families as well, as those orders with many EFN bearing species in Pasoh are this way due to particularly well-represented families (Dipterocarpaceae, Ebenaceae, Euphorbiaceae and Fabaceae). This, in large part, reflects the different floristic composition of Paleo vs Neotropical forests (Gentry 1993).

GEOGRAPHIC DISTRIBUTION

An increase in EFN presence as latitude decreases has been noted previously (Pemberton 1998), but it is also informative to examine how EFN distribution changes across different habitat types at similar latitudes. Yasuni and Pasoh, which are two lowland

tropical rainforests at comparable latitudes, are very similar in their incidence of EFNs (11.2% and 9.7%, respectively) suggesting little difference in distribution between the Neotropics and Paleotropics, as represented by these two sites. The slightly higher incidence in the Neotropics may be attributed to the greater diversity of Fabaceae found there (Gentry 1993).

Within the Neotropics, the Brazilian cerrado has also been surveyed for the presence of EFNs. An incidence of about 17% of woody plants with EFNs was found in the cerrados, which are considerably drier than rain forest (Oliveira & Leita-Filho 1987). Perhaps the greater presence of EFNs found in the cerrado indicates that ant-plant interactions are stronger in this type of habitat. Further work in understanding the differences in ant diversity and presence between these two habitats may better inform our understanding of this mutualism across geographically similar habitats.

ECOLOGICAL SIGNIFICANCE OF EXTRA-FLORAL NECTARIES

Differences found in growth, mortality and abundance rates in those trees with EFNs and those without are surprising, given the large and significant differences in performance I found contingent on the presence of a single character. Nonetheless, greater growth and mortality rates were characteristic of tree species with EFNs across all three sites. This consistency suggests that species with EFNs grow faster and die younger than species without EFNs. Why, then, is a higher mortality rate associated with a defense trait that is assumed to improve plant performance? This general lifestyle is informative in that it may suggest that many of those trees with EFNs are pioneer species. Pioneer species generally exhibit faster growth rates and higher mortality rates compared with more slower growing but persistent shade-tolerant species (Brokaw 1985). Additionally, pioneer species undergo intense competition following the formation and colonization of a gap (Denslow 1980, Denslow et al. 1985), lending increased importance to adaptive strategies such as EFNs. In this sense, pioneer species may exhibit EFNs more commonly than shade-

tolerant species, and explain this observed difference in demographic rates.

Abundances were also significantly different, though those at BCI showed the reverse trend in abundance compared with Pasoh and Yasuni. The higher abundances observed at Yasuni and Pasoh suggest that this defensive strategy has a positive impact on the plant's ability to out-perform species without this adaptation, and also counteracts the suggestion that differences in performance are driven by pioneer species, because these light-demanders tend to be rare (Wright 2002).

Conclusions

I found similar phylogenetic distributions of extra-floral nectaries in comprehensive surveys of tree species of an aseasonal lowland rain forest in Ecuador, and then compared to the previously determined distribution of trees with EFNs lowland semi-deciduous moist forest in Panama and lowland rain forest in Malaysia. Additionally, I found evidence of a significant effect of EFN presence on individual performance. Trees with EFNs had higher growth but also higher mortality rates than those without EFNs, consistent across all three sites. These results suggest a significant role for extra-floral nectaries and plant defense mechanisms in general for determining forest structure and composition.

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Appendix 1: List of taxa from Yasuni not previously recorded with EFN

| Genus | Species | Family | Order |
|--------------|-----------------------|------------------|--------------|
| Lauraceae | miniopacangulo | Lauraceae | Laurales |
| Abarema | laeta | Fabaceae | Fabales |
| Alchornea | glandulosa | Euphorbiaceae | Malpighiales |
| Alchornea | schomburkii_cf. | Euphorbiaceae | Malpighiales |
| Aparisthmium | cordatum | Euphorbiaceae | Malpighiales |
| Buchenavia | congesta | Combretaceae | Myrtales |
| Buchenavia | grandis | Combretaceae | Myrtales |
| Bunchosia | argentea | Malpighiaceae | Malpighiales |
| Bunchosia | argentea(granpanosa) | Malpighiaceae | Malpighiales |
| Caryodendron | orinocense | Euphorbiaceae | Malpighiales |
| Cedrelinga | catenaeformis | Fabaceae | Fabales |
| Colubrina | arbol | Rhamnaceae | Rosales |
| Conceveiba | rhytidocarpa | Euphorbiaceae | Malpighiales |
| Enterolobium | barnebianum | Fabaceae | Fabales |
| Glycydendron | amazonicum | Euphorbiaceae | Malpighiales |
| Hirtella | excelsa | Chrysobalanaceae | Malpighiales |
| Inga | 3crasa | Fabaceae | Fabales |
| Inga | 3oscura | Fabaceae | Fabales |
| Inga | 4alitarco | Fabaceae | Fabales |
| Inga | 6cuadra | Fabaceae | Fabales |
| Inga | acreana | Fabaceae | Fabales |
| Inga | alata | Fabaceae | Fabales |
| Inga | alba | Fabaceae | Fabales |
| Inga | auristellae | Fabaceae | Fabales |
| Inga | bourgonii | Fabaceae | Fabales |
| Inga | brachyrhachis | Fabaceae | Fabales |
| Inga | cayennensis | Fabaceae | Fabales |
| Inga | chartacea | Fabaceae | Fabales |
| Inga | ciliata_ssp.subcapita | Fabaceae | Fabales |
| Inga | cinnamomea | Fabaceae | Fabales |
| Inga | cordatoalata | Fabaceae | Fabales |
| Inga | falsacre | Fabaceae | Fabales |
| Inga | leiocalycina | Fabaceae | Fabales |
| Inga | microcoma | Fabaceae | Fabales |
| Inga | multinervis | Fabaceae | Fabales |
| Inga | poeppigiana | Fabaceae | Fabales |
| Inga | rusbyi | Fabaceae | Fabales |
| Inga | sarayacuensis | Fabaceae | Fabales |
| Inga | spectabilis | Fabaceae | Fabales |
| Inga | stellaeglabra | Fabaceae | Fabales |
| Inga | stipulacea | Fabaceae | Fabales |
| Inga | striata | Fabaceae | Fabales |

| | | | |
|---------------|----------------------------|------------------|--------------|
| Inga | tenuistipula | Fabaceae | Fabales |
| Inga | thibaudiana | Fabaceae | Fabales |
| Inga | thibaudiana_ssp.peltadenia | Fabaceae | Fabales |
| Inga | tocacheana | Fabaceae | Fabales |
| Inga | umbratica | Fabaceae | Fabales |
| Inga | velutina | Fabaceae | Fabales |
| Inga | vismiifolia | Fabaceae | Fabales |
| Inga | yacoana | Fabaceae | Fabales |
| Jacaratia | digitata | Caricaceae | Brassicales |
| Licania | caudata | Chrysobalanaceae | Malpighiales |
| Licania | longistyla | Chrysobalanaceae | Malpighiales |
| Licania | nervifina | Chrysobalanaceae | Malpighiales |
| Marmaroxylon | basijugum | Fabaceae | Fabales |
| Pausandra | trianae | Euphorbiaceae | Malpighiales |
| Pourouma | minor | Urticaceae | Rosales |
| Prunus | debilis | Rosaceae | Rosales |
| Qualea | paraensis | Vochysiaceae | Myrtales |
| Sapium | largident | Euphorbiaceae | Malpighiales |
| Terminalia | ob | Combretaceae | Myrtales |
| Tetrorchidium | macrophyllum | Euphorbiaceae | Malpighiales |
| Zygia | heteroneura | Fabaceae | Fabales |
| Zygia | mediana | Fabaceae | Fabales |

Appendix 2: Species list and EFN incidence for each plot

| Yasuni | | | | BCI | | | | Pasoh | | | |
|-------------------|-----------------------|-----|--------------|----------------|----------------|-----|--------|---------------|---------------|-----|--|
| Genus | species | EFN | Source | Genus | species | EFN | Source | Genus | species | EFN | |
| (combretaceae) | ovni | | | Abarema | macradenia | n | | Acronychia | porteri | n | |
| (fabaceae) | 20-25oblong | | | Acacia | melanoceras | y | keeler | Actinodaphne | macrophylla | n | |
| (fabaceae) | brillafuzzy | n | Field | Acalypha | diversifolia | n | study | Actinodaphne | pruinosa | n | |
| (fabaceae) | diploglauco | | | Acalypha | macrostachya | n | | Actinodaphne | sesquipedalis | n | |
| (hippocrateaceae) | atenumembra | n | Field | Adelia | triloba | n | | Adenanthera | bicolor | n | |
| (hippocrateaceae) | cheiloancho | | | Aegiphila | panamensis | y | keeler | Aglaia | aspera | n | |
| (hippocrateaceae) | ovalo | n | Field | Alchornea | costaricensis | y | study | Aglaia | cordata | n | |
| (lauraceae) | bals | n | Field | Alchornea | latifolia | y | study | Aglaia | exstipulata | n | |
| (lauraceae) | chiquita | n | Field | Alibertia | edulis | n | study | Aglaia | forbesii | n | |
| (lauraceae) | chorongo | | | Allophylus | psilospermus | n | study | Aglaia | ganggo | n | |
| (lauraceae) | furrycanela | n | Field | Alseis | blackiana | n | study | Aglaia | glabriflora | n | |
| (lauraceae) | furrymen | | | Amaioua | corymbosa | n | | Aglaia | grandis | n | |
| (lauraceae) | granbrillacuspi | n | Field | Anacardium | excelsum | n | study | Aglaia | meliosmoides | n | |
| (lauraceae) | granverde | n | Field | Anaxagorea | panamensis | n | | Aglaia | odoratissima | n | |
| (lauraceae) | impresofalso | n | Field | Andira | inermis | n | study | Aglaia | oligocarpa | n | |
| (lauraceae) | largoarco | | | Annona | acuminata | n | study | Aglaia | oligophylla | n | |
| (lauraceae) | licar | n | Field | Annona | hayesii | n | study | Aglaia | palembanica | n | |
| (lauraceae) | lisagroovy | n | Field | Annona | spraguei | n | study | Aglaia | ridleyi | n | |
| (lauraceae) | medpubinervi | n | Field | Apeiba | hybrid | n | | Aglaia | rubescens | n | |
| (lauraceae) | miniopacangulo | y | Field | Apeiba | membranacea | n | study | Aglaia | rufa | n | |
| (lauraceae) | pelonegro | | | Apeiba | tibourbou | n | study | Aglaia | species_1 | n | |
| (lauraceae) | subopo | n | Field | Aphelandra | sinclairiana | y | keeler | Aglaia | species_2 | n | |
| (lauraceae) | tallorojo | | | Ardisia | bartlettii | n | study | Aglaia | species_3 | n | |
| (malpighiaceae) | bulondu | | | Ardisia | fendleri | n | | Aglaia | species_4 | n | |
| (malpighiaceae) | granoscuro | | | Ardisia | guianensis | n | | Aglaia | species_5 | n | |
| (malpighiaceae) | myrtosco | | | Aspidosperma | spruceanum | n | study | Aglaia | species_7 | n | |
| (melastomataceae) | dienteblanca | | | Astrocaryum | standleyanum | n | | Aglaia | tenuicaulis | n | |
| (meliaceae) | alarganervi | | | Astronium | graveolens | n | | Aidia | wallichiana | n | |
| (moraceae) | pequecillo | n | Field | Attalea | butyracea | n | | Alangium | ebenaceum | n | |
| (myrtaceae) | cortezapeq | n | Field | Bactris | barronis | n | | Alangium | griffithii | n | |
| (myrtaceae) | falsasalas | | | Bactris | coloniata | n | | Alangium | nobile | n | |
| (myrtaceae) | membrapelos | | | Bactris | coloradonis | n | | Alangium | ridleyi | n | |
| (myrtaceae) | platatomen | | | Bactris | major | n | | Albizia | pedicellata | y | |
| (myrtaceae) | prominsuave | n | Field | Banara | guianensis | y | keeler | Alchornea | rugosa | y | |
| (myrtaceae) | smedcheilo | | | Beilschmiedia | pendula | n | study | Allophylus | cobbe | n | |
| (myrtaceae) | smedcomun | n | Seed | Bertiera | guianensis | n | | Alphonsea | elliptica | n | |
| (myrtaceae) | smedhipocrat | n | Field | Borjoa | panamensis | n | | Alphonsea | maingayi | n | |
| (myrtaceae) | smedpubicost | n | Field | Brosimum | alicastrum | n | study | Alseodaphne | nigrescens | n | |
| (picramniaceae) | sp.nov. | n | Field | Brosimum | guianense | n | | Alseodaphne | peduncularis | n | |
| (rubiacae) | amarillapub | | | Calophyllum | longifolium | n | study | Alseodaphne | perakensis | n | |
| (rubiacae) | ampliiovada | n | Fieldh | Capparis | frondosa | n | study | Alseodaphne | species_1 | n | |
| (rubiacae) | neoide | | | Casearia | aculeata | n | | Alseodaphne | species_2 | n | |
| (rubiacae) | renato | n | Field | Casearia | arbores | n | study | Alstonia | angustiloba | n | |
| (rubiacae) | retidomatia | | | Casearia | commersoniana | n | | Anacolsa | heptandra | n | |
| (rubiacae) | viveca | | | Casearia | guianensis | n | | Anaxagorea | javanica | n | |
| (rubiacae) | wilson | n | Field | Casearia | sylvestris | n | | Anisophyllea | corneri | n | |
| (sapindaceae) | amarillasper | | | Cassipourea | elliptica | n | study | Anisoptera | costata | n | |
| (sapindaceae) | rua | n | Field | Cavanillesia | platanifolia | n | study | Anisoptera | laevis | n | |
| (solanaceae) | plata | | | Cecropia | insignis | n | | Anisoptera | megistocarpa | n | |
| Abarema | jupunba | y | Field/Keeler | Cecropia | longipes | n | | Antidesma | coriaceum | n | |
| Abarema | laeta | y | Field | Cecropia | obtusifolia | n | | Antidesma | cuspidata | n | |
| Abuta | grandifolia | n | Field | Cedrela | odorata | y | study | Antidesma | pendulum | n | |
| Acalypha | cuneata | n | Field | Ceiba | pentandra | y | study | Antidesma | velutinosum | n | |
| Acalypha | pub | | | Celtis | schippii | n | study | Aphanamixis | polystachya | n | |
| Acalypha | sharpdent | | | Cespedesia | spatulata | n | | Aphanamixis | sumatrana | n | |
| Acalypha | sharpub | | | Cestrum | megalophyllum | n | | Aporosa | aurea | y | |
| Acanthosyris | annonagustata | n | Field | Chamaedorea | tepejilote | n | | Aporosa | bracteosa | n | |
| Acidoton | nicaraguensis | n | Field | Chamguava | schippii | n | | Aporosa | confusa | n | |
| Aegiphila | cordifolia_var.villos | n | Field | Chimarrhis | parviflora | n | | Aporosa | falcifera | n | |
| Aegiphila | elegans | | | Chrysoschlamys | eclipses | n | | Aporosa | globifera | n | |
| Aegiphila | haughtii | n | Field | Chrysophyllum | argenteum | n | | Aporosa | lunata | n | |
| Aegiphila | integrifolia | | | Chrysophyllum | cainito | n | study | Aporosa | microstachya | n | |
| Aegiphila | membosc | n | Field | Cinnamomum | triplinerve | n | | Aporosa | miqueliana | n | |
| Agonandra | peruviana | n | Field | Clidemia | dentata | n | | Aporosa | nervosa | n | |
| Agonandra | silvatica | n | Field | Clidemia | octona | n | | Aporosa | nigrans | n | |
| Aiouea | grandifolia_aff. | | | Clidemia | septuplinervia | n | | Aporosa | nigropunctata | n | |
| Aiouea | sp.nov. | n | Field | Coccoloba | coronata | n | study | Aporosa | prainiana | n | |
| Aiphanes | ulei | n | | Coccoloba | manzinellensis | n | study | Aporosa | symplocoides | n | |
| Albizia | niopoides | | | Coloba | rufescens | n | | Aquilaria | malaccensis | n | |
| Alchornea | glandulosa | y | Field | Colubrina | glandulosa | n | | Aralidium | pinnatifidum | n | |
| Alchornea | schomburkii_cf. | y | Field | Conostegia | bracteata | n | study | Archidendron | bubalinum | y | |
| Alchornea | triplinervia | y | Field/Keeler | Conostegia | cinnamomea | n | | Archidendron | clypearia | y | |
| Alchorneopsis | floribunda | y | Keeler | Cordia | alliodora | n | | Archidendron | contortum | y | |
| Alibertia | isernii | n | Field | Cordia | bicolor | n | study | Archidendron | globosum | y | |
| Alibertia | jorge | | | Cordia | lasiocalyx | n | study | Archidendron | microcarpum | y | |
| Alibertia | lance | n | Field | Coussarea | curvigemma | n | study | Ardisia | colorata | n | |
| Alibertia | pelitos | n | Field | Coutarea | hexandra | n | | Ardisia | crassa | n | |
| Alibertia | pilosa | | | Croton | billbergianus | y | study | Ardisia | kunstleri | n | |
| Allophylus | amazonicus | n | Field | Cupania | cinerea | n | | Ardisia | lanceolata | n | |
| Allophylus | divaricatus | n | Field | Cupania | latifolia | n | | Ardisia | pachysandra | n | |
| Allophylus | glabra | n | Field | Cupania | rufescens | n | study | Ardisia | ridleyi | n | |
| Allophylus | pilosus | n | Field | Cupania | seemannii | n | | Ardisia | species_2 | n | |
| Allophylus | puctatus | | | Cyathia | petiolata | n | | Aromadendron | elegans | n | |
| Alseis | lugonis | | | Dendropanax | arbores | n | study | Arthrophyllum | diversifolium | n | |

| | | | | | | | | | | |
|---------------|----------------------|---|--------|--------------|---------------|---|--------|---------------|------------------------------|---|
| Alseis | lugonis_cf. | n | Field | Desmopsis | panamensis | n | study | Artocarpus | anisophyllus | n |
| Alsophila | cuspidata | | | Diospyros | artanthifolia | y | study | Artocarpus | dadak | n |
| Ampelocera | edentula | n | Field | Dipteryx | oleifera | n | | Artocarpus | fulvicortex | n |
| Ampelocera | longissima | n | Field | Drypetes | standleyi | n | study | Artocarpus | integer | n |
| Amyris | macrocarpa | n | Field | Elaeis | oleifera | n | | Artocarpus | kemando | n |
| Anaxagorea | brevipes | | | Enterolobium | schomburgkii | y | keeler | Artocarpus | lowii | n |
| Andira | inermis | n | Field | Erythrina | costaricensis | n | study | Artocarpus | maingayi | n |
| Andira | macrothyrsa | | | Erythroxylum | macrophyllum | n | | Artocarpus | nitidus_var.griffithii | n |
| Andira | multistipula | | | Erythroxylum | panamense | n | study | Artocarpus | rigida | n |
| Andira | sp.nov. | n | Field | Eugenia | coloradoensis | n | study | Artocarpus | scortechinii | n |
| Aniba | angulopepper | n | Field | Eugenia | galalonensis | n | | Atuna | elata | n |
| Aniba | guianensis | n | Field | Eugenia | nesiotica | n | | Atuna | excelsa | n |
| Aniba | hostmanniana | n | Field | Eugenia | oerstediana | n | study | Austrobuscus | nitidus | n |
| Aniba | riparia | n | Field | Faramea | occidentalis | n | study | Baccaurea | griffithii | n |
| Aniba | taubertiana | | | Ficus | bullenei | n | | Baccaurea | kunstleri | n |
| Annona | ambotay_aff. | n | Field | Ficus | citrifolia | n | | Baccaurea | maingayi | n |
| Annona | duckei | n | Field | Ficus | colubrinae | n | | Baccaurea | minor | n |
| Annona | mosaic | | | Ficus | costaricana | n | | Baccaurea | parviflora | n |
| Anthodiscus | amazonicus | n | Field | Ficus | insipida | n | study | Baccaurea | pyriformis | n |
| Aparisthmium | cordatum | y | Field | Ficus | maxima | n | | Baccaurea | pyramiformis | n |
| Apeiba | membranacea | n | Field | Ficus | obtusifolia | n | | Baccaurea | ramiflora | y |
| Apeiba | tibourbou | | | Ficus | pertusa | n | | Baccaurea | reticulata | n |
| Aphelandra | crispata | n | Field | Ficus | popenoei | n | | Baccaurea | species_1 | n |
| Aptandra | tubicina | | | Ficus | tonduzii | n | | Baccaurea | sumatrana | y |
| Apuleia | leiocarpa | n | Field | Ficus | trigonata | n | | Barringtonia | fusiformis | n |
| Ardisia | densapunta | n | Field | Ficus | yoponensis | n | | Barringtonia | macrostachya | n |
| Ardisia | semibulada | n | Field | Garcinia | intermedia | n | | Barringtonia | pendula | n |
| Aspidosperma | blancimpreso | n | Field | Garcinia | madruno | n | | Beilschmiedia | dictyonera | n |
| Aspidosperma | megalocarpum | n | Field | Genipa | americana | n | | Beilschmiedia | kunstleri | n |
| Aspidosperma | rigidum | | | Geonoma | interrupta | n | | Beilschmiedia | lucidula | n |
| Aspidosperma | spruceanum | | | Guapira | standleyana | n | | Beilschmiedia | madang | n |
| Astrocaryum | chambira | n | | Guarea | fuzzy | n | | Beilschmiedia | palembanica | n |
| Astrocaryum | murumuru | n | | Guarea | grandifolia | n | | Beilschmiedia | species_1 | n |
| Astronium | graveolens | n | Field | Guarea | guidonia | n | | Beilschmiedia | species_2 | n |
| Attalea | maripa | n | | Guatteria | dumetorum | n | study | Bhesa | paniculata | n |
| Bactris | corossilla | n | | Guazuma | ulmifolia | n | study | Blumeodendron | calophyllum | y |
| Bactris | marajas_sp.juruensis | n | | Guettarda | foliacea | n | | Blumeodendron | subrotundifolium | n |
| Bactris | marajas_sp.maraja | n | | Gustavia | superba | y | study | Blumeodendron | tokbrai | n |
| Bactris | simplicifrons | n | | Hamelia | axillaris | n | | Bouea | macrophylla | n |
| Banara | nitida | | | Hamelia | patens | y | keeler | Bouea | oppositifolia | n |
| Batocarpus | amazonica | n | Field | Hampea | appendiculata | y | study | Brackenridgea | hookeri | n |
| Batocarpus | costaricensis | n | Field | Hasseltia | floribunda | y | study | Bridelia | pubulata | n |
| Batocarpus | orinocensis | n | Field | Heisteria | acuminata | n | | Buccanania | sessilifolia | n |
| Bauhinia | brachycalyx | n | Field | Heisteria | concinna | n | study | Callicarpa | maingayi | n |
| Bauhinia | lisagroovy | | | Hierania | purpurea | n | study | Calophyllum | depressinervosum | n |
| Beilschmiedia | pendula | | | Hieronyma | alchorneoides | n | | Calophyllum | dioscurii | n |
| Bellucia | pentamera | n | Field | Hirtella | americana | y | study | Calophyllum | macrocarpum | n |
| Bertiera | guianensis | n | Field | Hirtella | triandra | y | study | Calophyllum | rupicola | n |
| Besleria | quadrangulata | n | Field | Hura | crepitans | y | study | Calophyllum | soulatrii | n |
| Besleria | stricta | n | Field | Hybanthus | prunifolius | n | study | Calophyllum | tetralaterum | n |
| Blakea | puberula | | | Inga | acuminata | y | keeler | Calophyllum | wallichianum | n |
| Blakea | rosea | n | Field | Inga | cocleensis | y | keeler | Calophyllum | wallichianum_var.incrassatum | n |
| Borojoa | axiglab | n | Field | Inga | goldmannii | y | keeler | Camptosperma | auriculata | n |
| Borojoa | claviflora | n | Field | Inga | laurina | y | keeler | Canarium | apertum | n |
| Brosimum | acutifolium | n | Field | Inga | marginata | y | study | Canarium | littorale_var.littorale | n |
| Brosimum | guianense | n | Field | Inga | micuna | y | keeler | Canarium | littorale_var.purpurescens | n |
| Brosimum | lactescens | n | Field | Inga | nobilis | y | keeler | Canarium | littorale_var.rufum | n |
| Brosimum | potabile | | | Inga | oerstediana | y | keeler | Canarium | littorale_var.tomentosum | n |
| Brosimum | utile | n | Field | Inga | pezizifera | y | keeler | Canarium | megalanthum | n |
| Brownea | grandiceps | y | Keeler | Inga | punctata | y | keeler | Canarium | patentinervium | n |
| Brownea | rosada | | | Inga | ruiziana | y | keeler | Canarium | pilosum | n |
| Brownea | sp.nov. | n | Field | Inga | sapindoides | y | study | Carallia | brachiata | n |
| Brunfelsia | chiricampi | | | Inga | spectabilis | y | study | Caryota | mitis | n |
| Buchenavia | congesta | y | Field | Inga | thibaudiana | y | keeler | Casearia | clarkii | n |
| Buchenavia | grandis | y | Field | Inga | umbellifera | y | keeler | Casearia | species_2 | n |
| Buchenavia | macrophylla | | | Jacaranda | copaia | y | study | Cassia | nodosa | n |
| Buchenavia | parvifolia | n | Field | Koanophyllon | wetmorei | n | | Castanopsis | curtisii | n |
| Buchenavia | punctata | | | Lacistema | aggregatum | n | study | Castanopsis | inermis | n |
| Bunchosia | argentea | y | Field | Lacistema | panamensis | n | study | Castanopsis | megacarpa | n |
| Bunchosia | argentea(granpanosa) | y | Field | Laetia | procera | n | | Castanopsis | nephelioides | n |
| Bunchosia | blanquita | | | Laetia | thamnia | n | study | Castanopsis | schefferiana | n |
| Bunchosia | myrt | n | Field | Lafouensia | punicifolia | n | | Celtis | rigescens | n |
| Byrsonima | juanito | | | Leandra | dichotoma | n | | Champeriera | manillana | n |
| Byrsonima | putumayensis | n | Field | Licania | hypoleuca | n | | Chasalia | longifolia | n |
| Cabrera | canjerana | n | Field | Licania | platypus | y | study | Chasalia | curvifolia | n |
| Calliandra | carbonaria | n | Field | Lindackeria | laurina | n | study | Cheilosa | malayana | n |
| Calophyllum | brasiliense | n | Field | Lonchocarpus | heptaphyllum | n | | Chionanthus | calophyllum | n |
| Calyophyllum | megistocaulum | n | Field | Lozania | pittieri | n | | Chionanthus | macrocarpa | n |
| Calyptanthus | bipennis | n | Field | Luehea | seemannii | n | study | Chionanthus | ramiflorus | n |
| Calyptanthus | gigante | | | Lycianthes | maxonii | n | | Chionanthus | species_1 | n |
| Calyptanthus | grancauli | | | Maclura | tinctoria | n | | Chisocheton | ceramicus | n |
| Calyptanthus | graneschweil | | | Macrocnemum | roseum | n | study | Chisocheton | erythrocarpus | n |
| Calyptanthus | loraine | n | Field | Malpighia | romeriana | y | keeler | Chisocheton | glomeratus | n |
| Calyptanthus | pelopalida | n | Field | Maquira | guianensis | n | study | Chisocheton | patens | n |
| Calyptanthus | plicata | n | Field | Margaritaria | nobilis | n | study | Chisocheton | sarawakanus | n |
| Calyptanthus | pseudospeciosa | | | Marila | laxiflora | n | | Chisocheton | tomentosus | n |
| Calyptanthus | punctate | n | Field | Maytenus | schippii | n | study | Chrysophyllum | lanceolatum | n |
| Calyptanthus | punteada | | | Miconia | affinis | n | | Cinnamomum | iners | n |
| Calyptanthus | ruiziana | n | Field | Miconia | argentea | n | study | Cinnamomum | javanicum | n |
| Calyptanthus | sedosa | n | Field | Miconia | dorsiloba | n | | Cinnamomum | mollissimum | n |
| Calyptanthus | speciosa | n | Field | Miconia | elata | n | | Cinnamomum | porrectum | n |

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|-----------------|-----------------------|---|------------|--------------------|---------------------|---|--------|---------------|----------------|---|
| Campomanesia | lineatifolia | n | Field | Miconia | hondurensis | n | | Cinnamomum | sintoc | n |
| Capirona | decorticans | n | Field | Miconia | impetioilaris | n | study | Cleistanthus | maingayi | n |
| Capparis | detonsa | n | Field | Miconia | nervosa | n | | Cleistanthus | malaccensis | n |
| Capparis | osmantha | n | Field | Miconia | prasina | n | study | Cleistanthus | myrianthus | n |
| Capparis | sola | n | Field | Mosannona | garwoodii | n | | Cleistanthus | sumatranus | n |
| Caraipa | myricoides_aff. | n | Field | Mouriri | myrtilloides | n | study | Clerodendrum | deflexum | n |
| Carica | brillante | | | Myrcia | gatonensis | n | study | Clerodendrum | laevifolium | n |
| Carica | microcarpa | n | Field | Myrospermum | frutescens | n | | Clerodendrum | nutans | n |
| Carpotroche | longifolia | n | Field | Nectandra | cissiflora | n | | Coelostegia | griffithii | n |
| Caryocar | glabrum | n | Field | Nectandra | fuzzy | n | | Crateva | religiosa | n |
| Caryodaphnopsis | chica | n | Field | Nectandra | lineata | n | | Cratoxylum | arborescens | n |
| Caryodaphnopsis | fosteri | | | Nectandra | purpurea | n | study | Cratoxylum | cochinchinense | n |
| Caryodaphnopsis | tomentosa | n | Field | Nectandra | sp.4_(tiny_leaf) | n | | Cratoxylum | formosum | n |
| Caryodendron | orinocense | y | Field | Neea | amplifolia | n | study | Cratoxylum | maingayi | n |
| Casearia | aculeata | n | Field | Ochroma | pyramidale | y | study | Croton | argyratus | y |
| Casearia | arbores | n | Field | Ocotea | cerua | n | | Croton | laevifolius | y |
| Casearia | argut | | | Ocotea | oblonga | n | | Crudia | curtisii | n |
| Casearia | bracteifera | n | Field | Ocotea | puberula | n | | Crypteronia | griffithii | n |
| Casearia | javitensis | n | Field | Ocotea | whitei | n | study | Cryptocarya | ferrea | n |
| Casearia | nigricans | n | Field | Oenocarpus | mapora | n | | Cryptocarya | griffithiana | n |
| Casearia | pitumba | n | Field | Ormosia | amazonica | n | | Cryptocarya | infectoria | n |
| Casearia | prunicerob | n | Field | Ormosia | coccinea | n | | Cryptocarya | kurzii | n |
| Casearia | prunifolia | n | Field | Ormosia | macrocalyx | n | | Cryptocarya | rugulosa | n |
| Casearia | sp.nov. | | | Ouretea | lucens | y | study | Cryptocarya | scortechinii | n |
| Casearia | sylvepup | n | Field | Pachira | quinata | n | | Ctenolophon | parvifolius | n |
| Casearia | sylvestris | n | Field | Pachira | sessilis | n | | Cyathocalyx | pruniferus | n |
| Casearia | ulmifolia | n | Field | Palicourea | guianensis | n | study | Cyathocalyx | ramuliflorus | n |
| Cassia | cowanii | n | Field | Pavonia | dasyptetala | n | | Cynometra | malaccensis | n |
| Castilla | ulei | n | Field | Pentagonia | macrophylla | n | study | Dacryodes | costata | n |
| Cathedra | acuminata | n | Field | Perebea | xanthochyma | n | | Dacryodes | incurvata | n |
| Cecropia | acer | | | Picramnia | latifolia | y | keeler | Dacryodes | laxa | n |
| Cecropia | engleriana | n | Field | Piper | aequale | n | study | Dacryodes | longifolia | n |
| Cecropia | ficifolia | n | Field | Piper | arboresum | n | | Dacryodes | nervosa | n |
| Cecropia | herthae | | | Piper | colonense | n | | Dacryodes | puberula | n |
| Cecropia | marginalis | | | Piper | cordulatum | n | study | Dacryodes | rostrata | n |
| Cecropia | membranacea | | | Piper | imperialis | n | | Dacryodes | rubiginosa | n |
| Cecropia | putumayonis | | | Piper | perlasense | n | | Dacryodes | rugosa | n |
| Cecropia | sciadophylla | n | Field | Piper | reticulatum | n | | Decaspermum | fruticosum | n |
| Cedrela | fissilis | n | Field | Piper | schiedeanum | n | | Dehasia | cuneata | n |
| Cedrela | odorata | y | Keeler | Platymiscium | pinnatum | n | | Dehasia | incrassata | n |
| Cedrelinga | catenaeformis | y | Field | Platypodium | elegans | n | study | Dehasia | longipetiolata | n |
| Celba | pentandra | y | Keeler | Posoqueria | latifolia | n | study | Dehasia | polyneura | n |
| Celtis | schippii | n | Seed/Field | Poulsenia | armata | n | study | Deplanchea | bancana | y |
| Centropogon | lorentensis | | | Pourouma | bicolor | n | study | Dialium | maingayi | n |
| Cestrum | megalophyllum | n | Field | Pouteria | fossicola | n | | Dialium | platysepalum | n |
| Cestrum | silvaticum | n | Field | Pouteria | reticulata | n | study | Dialium | procerrum | n |
| Cestrum | tomentosum | | | Pouteria | stipitata | n | | Dialium | wallichii | n |
| Chamaedorea | pauciflora | n | | Prioria | copaifera | n | study | Dichapetalum | gelonioides | n |
| Chamaedorea | pinnatifrons | n | | Protium | confusum | n | | Dillenia | grandifolia | n |
| Cheiloclinium | cognatum | n | Seed/Field | Protium | costaricense | n | | Dillenia | reticulata | n |
| Chimarrhis | glabriflora | | | Protium | panamense | n | study | Dillenia | sumatrana | n |
| Chimarrhis | jacob | n | Field | Protium | tenuifolium | n | study | Diospyros | adenophora | y |
| Chionanthus | opipulv | n | Field | Pseudobombax | septenatum | y | study | Diospyros | andamanica | y |
| Chlorocardium | 2subopo | | | Psidium | friedrichsthalianum | n | | Diospyros | apiculata | y |
| Chomelia | comun | n | Field | Psychotria | acuminata | n | | Diospyros | areolata | n |
| Chrysoclamys | fragil | | | Psychotria | brachiata | n | | Diospyros | argentea | y |
| Chrysoclamys | hugo | n | Field | Psychotria | chagrensis | n | | Diospyros | buxifolia | y |
| Chrysoclamys | membranacea_cf. | n | Field | Psychotria | deflexa | n | study | Diospyros | cauliflora | n |
| Chrysoclamys | tenuifolia | | | Psychotria | graciliflora | n | | Diospyros | demonia | n |
| Chrysophyllum | amazonicum | n | Field | Psychotria | grandis | n | | Diospyros | diepenhorstii | y |
| Chrysophyllum | argenteum_ssp.argente | n | Field | Psychotria | hoffmannseggiana | n | | Diospyros | lancifolia | n |
| Chrysophyllum | baco | | | Psychotria | horizontalis | n | study | Diospyros | latisepala | n |
| Chrysophyllum | cuneifolium | n | Field | Psychotria | limonensis | n | | Diospyros | maingayi | n |
| Chrysophyllum | manaoense | n | Field | Psychotria | marginata | n | | Diospyros | nutans | y |
| Chrysophyllum | minor | | | Psychotria | pittieri | n | | Diospyros | penangiana | n |
| Chrysophyllum | ovale | n | Field | Psychotria | psychotriifolia | n | | Diospyros | pendula | y |
| Chrysophyllum | tremi | n | Field | Psychotria | racemosa | n | | Diospyros | pyrrhocarpa | y |
| Chrysophyllum | venezuelanense | | | Psychotria | tenuifolia | n | | Diospyros | rufa | n |
| Cinnamomum | napoense | n | Field | Pterocarpus | belizensis | n | | Diospyros | scortechinii | y |
| Cinnamomum | oppreic | n | Field | Pterocarpus | rohrii | n | study | Diospyros | singaporensis | n |
| Cinnamomum | peloipreso | | | Quararibea | asterolepis | n | study | Diospyros | species_1 | n |
| Cinnamomum | triplinerve | n | Field | Quassia | amara | y | study | Diospyros | sumatrana | n |
| Citharexylum | poepigii | | | Randia | armata | n | | Diospyros | venosa | n |
| Clarisia | biflora | n | Field | Rauvolfia | littoralis | n | | Diospyros | wallichii | y |
| Clarisia | racemosa | n | Field | Rinorea | sylvatica | n | study | Diplospora | lasiantha | n |
| Clavija | delgada | | | Rosenbergiodendron | formosum | n | | Diplospora | malaccense | n |
| Clavija | procera | n | Field | Sapium | broadleaf | n | | Dipterocarpus | cornutus | n |
| Clavija | weberbaueri | n | Field | Sapium | glandulosum | n | | Dipterocarpus | costulatus | n |
| Clidemia | dimorpha | n | Field | Schefflera | morototoni | n | | Dipterocarpus | crinitus | n |
| Coccoloba | cordi | n | Field | Schizolobium | parahyba | n | | Dipterocarpus | kunstleri | n |
| Coccoloba | densifrons | n | Field | Senna | dariensis | y | keeler | Dipterocarpus | sublamellatus | n |
| Coccoloba | gigante | n | Field | Simarouba | amara | y | study | Dracaena | brachystachys | n |
| Coccoloba | jill | | | Siparuna | guianensis | n | | Dracaena | elliptica | n |
| Coccoloba | lancifuzz | n | Field | Siparuna | pauciflora | n | study | Dracaena | tetrastachys | n |
| Coccoloba | mollis | | | Sloanea | terniflora | n | | Dracometelon | dao | n |
| Coccoloba | ninfi | n | Field | Socratea | exorrhiza | n | | Drimycarpus | luridus | n |
| Coccoloba | papel | n | Field | Solanum | arboresum | n | | Drypetes | ikir | n |
| Coccoloba | puntoblanco | n | Field | Solanum | asperum | n | | Drypetes | laevis | n |
| Coccoloba | puntonegro | n | Field | Solanum | circinatum | n | | Drypetes | longifolia | n |
| Coccoloba | subscab | | | Solanum | hayesii | n | study | Drypetes | microphylla | n |
| Colubrina | arbol | y | Field | Solanum | steyermarkii | n | | Drypetes | pendula | n |

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|----------------|----------------------|---|------------|-----------------|-------------------------|---|--------|---------------|-------------------------|---|
| Compsoeura | capitellata | n | Field | Sorocea | affinis | n | study | Drypetes | polyneura | n |
| Compsoeura | ulei | n | Field | Spachea | membranacea | y | keeler | Drypetes | rhakodiskos | n |
| Conceveiba | rhytidocarpa | y | Field | Spondias | mombin | n | study | Drypetes | species_1 | n |
| Cordia | buladent | | | Spondias | radikoferi | n | study | Durio | griffithii | n |
| Cordia | chamissoniana | n | Field | Stemmadenia | grandiflora | n | | Durio | oxleyanus | n |
| Cordia | collococca | n | Field | Sterculia | apetala | n | study | Durio | singaporensis | n |
| Cordia | hebelclada | n | Field | Stylogyne | turbacensis | n | | Dyera | costulata | n |
| Cordia | joli | | | Swartzia | simplex_var.grandiflora | n | study | Dysoxylum | acutangulum | n |
| Cordia | kingstonina | n | Field | Swartzia | simplex_var.ochracea | n | study | Dysoxylum | alliaceum | n |
| Cordia | nodosa | n | Field | Symphonia | globulifera | n | study | Dysoxylum | carolinae | n |
| Cordia | ucayalensis | n | Field | Tabebuia | guayacan | n | | Dysoxylum | cauliflorum | n |
| Costus | chica | | | Tabebuia | rosea | y | study | Dysoxylum | costulatum | n |
| Costus | gigante | | | Tabernaemontana | arborea | n | study | Dysoxylum | flavescens | n |
| Costus | glabra | | | Tachigali | versicolor | n | study | Dysoxylum | species_1 | n |
| Costus | hairy | | | Talisia | nervosa | n | study | Ehretia | timorensis | n |
| Costus | mediana | | | Talisia | princeps | n | study | Elaeocarpus | ferrugineus | n |
| Costus | pablo | | | Terminalia | amazonia | y | study | Elaeocarpus | griffithii | n |
| Couepia | obovata | n | Field | Terminalia | oblonga | n | | Elaeocarpus | nitidus | n |
| Couepia | parillo | n | Field | Terstroemia | tepezapote | n | | Elaeocarpus | palembanicus | n |
| Couratari | guianensis | n | Field | Tetragastris | panamensis | n | study | Elaeocarpus | petiolatus | n |
| Couroupita | guianensis | n | Field | Tetraphylacium | johansenii | n | | Elaeocarpus | rugosus | n |
| Coussapoa | orthoneura | n | Field | Theobroma | cacao | n | | Elaeocarpus | stipularis | n |
| Coussarea | brevi | n | Field | Thevetia | ahouai | n | study | Elatiospermum | tapos | y |
| Coussarea | cephaloide | n | Field | Tocoyena | pittieri | n | | Endiandra | kingiana | n |
| Coussarea | dulcifolia | n | Field | Trattinnickia | aspera | n | study | Endiandra | maingayi | n |
| Coussarea | klugii | n | Field | Trema | micrantha | n | study | Endocomia | canarioides | n |
| Coussarea | multiflora | | | Trichanthera | gigantea | n | | Endospermum | malaccense | y |
| Crematosperma | cauliflorum | n | Field | Trichilia | pallida | n | | Engelhardtia | serrata | n |
| Crematosperma | gracilipes | n | Field | Trichilia | tuberculata | n | | Enicosanthum | fusum | n |
| Crepidosperrum | goudotianum | n | Field | Trichospermum | galeottii | n | study | Epiprinus | malayanus | y |
| Crepidosperrum | rhoifolium | n | Field | Triplaris | cumingiana | n | | Erycibe | albida | n |
| Cryptocarya | aschersoniana_cf. | n | Field | Trophis | caucana | n | | Erythroxylum | cuneatum | n |
| Cuatresia | glabra | n | Field | Trophis | racemosa | n | | Eugenia | castanea | n |
| Cupania | cinerea | n | Field | Turpinia | occidentalis | n | | Eugenia | ceraia | n |
| Cupania | livida | n | Seed/Field | Unonopsis | pittieri | n | | Eugenia | cerasiformis | n |
| Cupania | verde | | | Urena | baccifera | n | study | Eugenia | chlorantha | n |
| Cyathea | lasiosora | n | Field | Verbesina | gigantea | n | | Eugenia | claviiflora | n |
| Cyathea | pungens | n | Field | Viola | multiflora | n | | Eugenia | cumingiana | n |
| Cybianthus | perseon | n | Field | Viola | sebifera | n | study | Eugenia | densiflora | n |
| Cymbopetalum | coriaceum | n | Field | Viola | surinamensis | n | study | Eugenia | duthieana | n |
| Cyphomandra | glabra | n | Field | Vismia | baccifera | n | | Eugenia | dyeriana | n |
| Cyphomandra | membra | | | Vismia | billbergiana | n | | Eugenia | fastigiata | n |
| Cyphomandra | pilosa | | | Vismia | macrophylla | n | | Eugenia | filiformis | n |
| Dacryodes | gordos | n | Field | Vochysia | ferruginea | n | study | Eugenia | fiosculifera | n |
| Dacryodes | peruviana | n | Field | Xylopia | macrantha | n | study | Eugenia | glauca_var.pseudoglauca | n |
| Dalbergia | nigrescens_cf. | n | Field | Xylosma | chlorantha | n | | Eugenia | griffithii | n |
| Dendrobania | boliviana | n | Field | Xylosma | oligandra | n | | Eugenia | inophylla | n |
| Dendropanax | arbores | n | Field | Zanthoxylum | acuminatum | n | | Eugenia | inophylla_var.barnardi | n |
| Dendropanax | caucanus_cf. | n | Field | Zanthoxylum | ekmanii | n | | Eugenia | koordersiana | n |
| Dendropanax | caucanus_cf.(grande) | | | Zanthoxylum | panamense | y | study | Eugenia | leptostemon | n |
| Dendropanax | quereti | n | Field | Zanthoxylum | setulosum | y | study | Eugenia | napiformis | n |
| Dialium | guianense | n | Field | Zuelania | guidonia | n | study | Eugenia | nigricans | n |
| Dilkea | parviflora | n | Field | | | | | Eugenia | oblongifolia | n |
| Dilkea | pasillo | | | | | | | Eugenia | pachyphylla | n |
| Diospyros | artanthifolia | y | Keeler | | | | | Eugenia | polita | n |
| Diospyros | crapefolia | | | | | | | Eugenia | polyantha | n |
| Diospyros | ekodul | | | | | | | Eugenia | prainiana | n |
| Diospyros | pseudoxylolia | n | Field | | | | | Eugenia | pseudocrenulata | n |
| Diospyros | subrotata | n | Field | | | | | Eugenia | pseudosubtilis | n |
| Diplon | cuspidatum | | | | | | | Eugenia | pustulata | n |
| Diplotropis | pterochic | n | Field | | | | | Eugenia | ridleyi | n |
| Diplotropis | purpurea_cf. | n | Field | | | | | Eugenia | rugosa | n |
| Discophora | guianensis | n | Field | | | | | Eugenia | scortechinii | n |
| Dracontium | longipes | | | | | | | Eugenia | species_10 | n |
| Drypetes | amazonica | n | Field | | | | | Eugenia | species_16 | n |
| Drypetes | papilosa | | | | | | | Eugenia | species_4 | n |
| Drypetes | variabilis | n | Field | | | | | Eugenia | species_8 | n |
| Duguetia | cortan | n | Field | | | | | Eugenia | species_a | n |
| Duguetia | hadrantha | n | Field | | | | | Eugenia | species_b | n |
| Duguetia | quitarensis | n | Field | | | | | Eugenia | species_d | n |
| Duguetia | spixiana | n | Field | | | | | Eugenia | spicata | n |
| Duguetia | surinamensis | | | | | | | Eugenia | subdecussata | n |
| Dulacia | candida | n | Field | | | | | Eugenia | syzygioides | n |
| Duroia | eripolia | n | Field | | | | | Eugenia | tumida | n |
| Duroia | hirsuta | n | Field | | | | | Eugenia | valdevenosa | n |
| Dussia | delgada | n | Field | | | | | Eugenia | variolosa | n |
| Dussia | pelosblancos | | | | | | | Eugenia | virens | n |
| Dussia | tessmannii | | | | | | | Euodia | glabra | n |
| Ecclinusa | angostaestipul | n | Field | | | | | Euodia | roxburghiana | n |
| Ecclinusa | guianensis | n | Field | | | | | Euonymus | javanicus | n |
| Elaeoluma | glabrescens | | | | | | | Eurycoma | longifolia | n |
| Endlicheria | bracteata | n | Field | | | | | Fagraea | racemosa | n |
| Endlicheria | burbuja | n | Field | | | | | Fagraea | pendula | y |
| Endlicheria | canescens | | | | | | | Ficus | chartacea | n |
| Endlicheria | falsadyso | n | Field | | | | | Ficus | fistulosa | n |
| Endlicheria | formosa | n | Field | | | | | Ficus | fulva | n |
| Endlicheria | formosa | n | Field | | | | | Ficus | glandulifera | n |
| Endlicheria | krukovii | | | | | | | Ficus | grossularioides | n |
| Endlicheria | metalica | n | Field | | | | | Ficus | lamponga | n |
| Endlicheria | sericea | | | | | | | Ficus | obscura | y |
| Endlicheria | sericea_aff. | n | Field | | | | | Ficus | schwarzii | n |

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|---------------|-------------------------------|---|------------|----------------|----------------------------|---|
| Endlicheria | sp.nov. | n | Field | Ficus | scortechinii | n |
| Endlicheria | taubertiana | | | Ficus | sinuata | n |
| Endlicheria | tessmannii | n | Field | Ficus | variegata | n |
| Endlicheria | tschudyana | n | Seed/Field | Ficus | vasculosa | n |
| Enterolobium | barnebianum | y | Field | Flacourtia | rukam | n |
| Eriotheca | globosa | | | Gaertnera | oblanceolata | n |
| Erisma | uncinatum | | | Galearia | fulva | n |
| Erythrina | amazonica | n | Field | Galearia | maingayi | n |
| Erythrochiton | margot | | | Ganua | mottleyana | n |
| Erythroxylum | gracilipes | n | Field | Ganua | species_1 | n |
| Erythroxylum | macrophyllum_var.ecuadorensis | n | Field | Garcinia | atroviridis | n |
| Erythroxylum | macrophyllum_var.macr | n | Field | Garcinia | bancana | n |
| Erythroxylum | squamatum | | | Garcinia | eugenifolia | n |
| Eschweilera | andina | n | Field | Garcinia | forbesii | n |
| Eschweilera | bracteosa | n | Field | Garcinia | griffithii | n |
| Eschweilera | coriacea | n | Field | Garcinia | malaccensis | n |
| Eschweilera | giga | n | Field | Garcinia | nervosa | n |
| Eschweilera | gigandin | n | Field | Garcinia | nigrolineata | n |
| Eschweilera | gigantea | n | Field | Garcinia | parvifolia | n |
| Eschweilera | gigarco | n | Field | Garcinia | prainiana | n |
| Eschweilera | juruenis | | | Garcinia | pyrifer | n |
| Eschweilera | rufifolia | n | Seed/Field | Garcinia | rostrata | n |
| Esenbeckia | amazonica | n | Field | Garcinia | scortechinii | n |
| Esenbeckia | lisa | | | Garcinia | species_1 | n |
| Eugenia | coffeifolia_aff. | | | Garcinia | species_2 | n |
| Eugenia | deltocrespis_aff. | n | Field | Garcinia | species_4 | n |
| Eugenia | egensis | | | Garcinia | species_5 | n |
| Eugenia | feijoi | n | Field | Gardenia | tubifera | n |
| Eugenia | florida | n | Field | Gardeniopsis | longifolia | n |
| Eugenia | graneschweil | n | Field | Gironniera | nervosa | n |
| Eugenia | granvariable | n | Field | Gironniera | parvifolia | n |
| Eugenia | lambertiana | n | Seed | Gironniera | subaequalis | n |
| Eugenia | leo | | | Glochidion | hypoleucum | n |
| Eugenia | macrocalyx | n | Field | Glochidion | obscurem | n |
| Eugenia | margot | n | Field | Glochidion | sericeum | n |
| Eugenia | membranegra | n | Field | Glochidion | species_1 | n |
| Eugenia | mimus_aff._rojo | n | Field | Glochidion | superbum | n |
| Eugenia | mimus_aff._verde | n | Field | Glochidion | wallichianum | n |
| Eugenia | minicomun | n | Field | Gluta | malayana | n |
| Eugenia | multiramosa | n | Field | Glycosmis | chlorosperma | n |
| Eugenia | myrobalana_aff. | n | Field | Glycosmis | sapindoides | n |
| Eugenia | panosadorada | n | Field | Glyptopetalum | quadrangulare | n |
| Eugenia | puntote | | | Gnetum | gnemon | n |
| Eugenia | ramamarilla | n | Field | Gomphandra | capitata | n |
| Eugenia | schunkei | n | Field | Gomphandra | quadrifida | n |
| Eugenia | smedcomun | n | Field | Gomphandra | species_1 | n |
| Eugenia | smedcostacrasa | n | Field | Gomphia | serrata | n |
| Eugenia | smedcostadorada | n | Field | Goniothalamus | macrophyllus | n |
| Euplassa | occidentalis_cf. | n | Field | Goniothalamus | tortilipetalus | n |
| Euterpe | precatoria | n | | Gonocaryum | gracile | n |
| Exostema | maynense | n | Field | Gonystylus | maingayi | n |
| Faramea | capillipes | n | Field | Gordonia | singaporiana | n |
| Faramea | crassa | n | Field | Grewia | antidesmaefolia | n |
| Faramea | glandulosa | n | Field | Grewia | blattifolia | n |
| Faramea | multiflora | n | Field | Grewia | fibrocarpa | n |
| Faramea | quinqueflora | n | Field | Grewia | laurifolia | n |
| Faramea | torquata | n | Field | Grewia | miqueliana | n |
| Faramea | uncinata | n | Field | Guioa | species_1 | n |
| Faramea | vaina | | | Gymnocranthera | eugenifolia | n |
| Ficus | bajio | n | | Gymnocranthera | forbesii | n |
| Ficus | brevibracteata | n | | Gynotroches | axillaris | n |
| Ficus | casapi | n | | Harmandia | kunstleri | n |
| Ficus | gomelleira | n | | Harpullia | cupanioides | n |
| Ficus | maxima | n | | Hedyotis | species | n |
| Ficus | minimax | n | | Helicia | attenuata | n |
| Ficus | nymphaeifolia_cf. | n | Field | Heliciopsis | velutina | n |
| Ficus | oveja | n | | Heritiera | elata | n |
| Ficus | perez-arbelaezii | n | | Heritiera | javanica | n |
| Ficus | priesiana | n | | Heritiera | simplicifolia | n |
| Ficus | tonduzii | n | | Homalium | caryophyllaceum | y |
| Ficus | trigona | n | | Homalium | dictyonurum | y |
| Ficus | trigonata_cf. | n | | Homalium | longifolium | y |
| Ficus | trigonhirsuta | n | | Hopea | dryobalanoides | n |
| Ficus | ursina | n | | Hopea | mengarawan | y |
| Froesia | diffusa | n | Field | Hopea | sangal | n |
| Garcinia | brasiliensis | n | Field | Horsfieldia | brachiata | n |
| Garcinia | macrophylla | | | Horsfieldia | crassifolia | n |
| Garcinia | madruno | n | Field | Horsfieldia | flocculosa | n |
| Gen.nov. | subopo | n | Field | Horsfieldia | fulva | n |
| Genipa | americana | | | Horsfieldia | polyspherula | n |
| Geonoma | aspidifolia_cf. | n | | Horsfieldia | polyspherula_var.sumatrana | n |
| Geonoma | maxima | n | | Horsfieldia | punctatifolia | n |
| Geonoma | stricta_var.piscicauda | n | | Horsfieldia | sucosa | n |
| Geonoma | stricta_var.stricta | n | | Horsfieldia | superba | n |
| Geonoma | triglochin | n | | Horsfieldia | tomentosa | n |
| Gloeospermum | equatoriense | n | Field | Horsfieldia | wallichii | n |
| Gloeospermum | longifolium | n | Field | Hunteria | zeylanica | n |
| Gloeospermum | sphaerocarpum_cf. | | | Hypobathrum | venulosum | n |
| Glycydendron | amazonicum | y | Field | Hypobathrum | racemosum | n |
| Gordonia | fruticosa | | | Iguanura | wallichiana | n |
| Grias | neuberthii | n | Field | Ilex | macrophylla | n |

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|--------------|-----------------------|----|-------------|--------------|-------------------------------|---|
| Guapira | clasica | n | Field | Ilex | species_1 | n |
| Guapira | granclasica | | | Intsia | palembanica | n |
| Guarea | carinata | n | Field | Irvingia | malayana | n |
| Guarea | ecuadoriensis | | | Ixonanthes | icosandra | y |
| Guarea | falsakunth | n | Field | Ixonanthes | reticulata | n |
| Guarea | fistulosa | n | Field | Ixora | concinna | n |
| Guarea | gigakunth | n | Field | Ixora | congesta | n |
| Guarea | glabra | y | Keeler | Ixora | grandifolia_var.grandifolia | n |
| Guarea | gomma | n | Field | Ixora | grandifolia_var.lanceolata | n |
| Guarea | grandifolia | n | Seed/Field | Ixora | kingstoni | n |
| Guarea | guentheri | n | Seed | Ixora | lobbii | n |
| Guarea | guenthfuzzy | n | Field | Ixora | nigricans | n |
| Guarea | guidonia | | | Ixora | pendula | n |
| Guarea | kunthiana | n | Field | Jackiopsis | ornata | n |
| Guarea | macrophylla_2 | n | Field | Kibara | coriacea | n |
| Guarea | macrophylla_3 | | | Kibatalia | maingayi | n |
| Guarea | macrophylla_ssp_pac | n | Field | Kingstonia | nervosa | n |
| Guarea | patricio | | | Knema | conferta | n |
| Guarea | pterorhachis | n | Field | Knema | curtisii | n |
| Guarea | pubescens | n | Field | Knema | furfuracea | n |
| Guarea | purusana | n | Field | Knema | hookeriana | n |
| Guarea | silvatica | n | Field | Knema | intermedia | n |
| Gutteria | asplundiana_cf. | n | Field | Knema | kunstleri | n |
| Gutteria | brevicuspis_cf. | n | Field | Knema | laurina | n |
| Gutteria | citriodora | n | Field | Knema | malayana | n |
| Gutteria | gigante | n | Field | Knema | patentinervia | n |
| Gutteria | glaberrima | n | Field | Knema | pseudolaurina | n |
| Gutteria | gransmoothie | n | Field | Knema | scortechinii | n |
| Gutteria | multivenia | n | Field | Knema | stenophylla | n |
| Gutteria | planeridoria | n | Field | Knema | sumatrana | n |
| Gutteria | punctomarron | n | Field | Koelodepas | longifolium | y |
| Gutteria | recurvisepala | n | Field | Kokoona | reflexa | n |
| Guetarda | acreana | n | Field | Koompassia | malaccensis | n |
| Gustavia | hexapetala | n | Field | Lansium | domesticum | n |
| Gustavia | longifolia | n | Field | Lasianthus | lowianus | n |
| Hasseltia | floribunda | y | Keeler | Lasianthus | species_1 | n |
| Hasseltia | hasseltomen | | | Lepisanthes | fruticosa | n |
| Heisteria | acuminata | n | Field | Lepisanthes | senegalensis | n |
| Heisteria | flacarco | n | Field | Lepisanthes | tetraphylla | n |
| Heisteria | grande | n | Field | Lepisanthes | tetraphylla_var.hirta | n |
| Heisteria | multiglan | | | Leptonychia | glabra | n |
| Heisteria | nitida | n | Field | Licania | splendens | y |
| Helicostylis | tomentosa | n | Field | Lindera | oxyphylla | n |
| Herrania | cuatrecasana | n | Field | Lithocarpus | conocarpa | n |
| Herrania | nitida | n | Field | Lithocarpus | curtisii | n |
| Hieronyma | alchorneoides_var.sti | y | Keeler | Lithocarpus | cyclophorus | n |
| Hieronyma | oblonga | n | Field | Lithocarpus | ewyckii | n |
| Himatanthus | succuba | n | Field | Lithocarpus | lucida | n |
| Hirtella | excelsa | y | Field | Lithocarpus | rasa | n |
| Hirtella | racemosa_var.hexandra | y | Keeler | Lithocarpus | wallichiana | n |
| Huertia | glandulosa | y? | Field | Lithocarpus | wrayi | n |
| Hymenaea | oblongifolia | n | Field | Litsea | castanea | n |
| Hymenolobium | stipsericea | | | Litsea | costalis | n |
| Hyospathe | elegans | n | | Litsea | elliptica | n |
| Inga | 3crasa | y | Herb | Litsea | erectinervia | n |
| Inga | 3oscure | y | Herb | Litsea | ferruginea | n |
| Inga | 4alitarco | y | Herb | Litsea | firma | n |
| Inga | 6cuadra | y | Herb | Litsea | grandis | n |
| Inga | acreana | y | Herb | Litsea | machilifolia | n |
| Inga | alata | y | Herb | Litsea | magnifica | n |
| Inga | alba | y | Herb | Litsea | nidularis | n |
| Inga | auristellae | y | Herb | Litsea | resinosa | n |
| Inga | bourgonii | y | Herb | Litsea | tomentosa | n |
| Inga | brachyrhachis | y | Herb | Litsea | umbellata_var.fuscotomenta | n |
| Inga | capitata | y | Herb/Keeler | Litsea | wrayi | n |
| Inga | cayennensis | y | Herb | Lophopetalum | floribundum | n |
| Inga | chartacea | y | Herb | Macaranga | conifera | y |
| Inga | ciliata_ssp.subcapita | y | Herb | Macaranga | gigantea | y |
| Inga | cinnamomea | y | Herb | Macaranga | hosei | n |
| Inga | cordatolata | y | Herb | Macaranga | hypoleuca | y |
| Inga | falsacre | y | Herb | Macaranga | lowii | y |
| Inga | heterophylla | y | Herb/Keeler | Macaranga | recurvata | y |
| Inga | leiocalycina | y | Herb | Madhuca | laurifolia | n |
| Inga | marginata | y | Herb/Keeler | Madhuca | malaccensis | n |
| Inga | microcoma | y | Herb | Mallotus | griffithianus | n |
| Inga | multinervis | y | Herb | Mallotus | leucodermis | y |
| Inga | nobilis | y | Herb/Keeler | Mallotus | penangensis | y |
| Inga | oerstediana | y | Herb/Keeler | Mangifera | foetida | n |
| Inga | poepigiana | y | Herb | Mangifera | gracilipes | n |
| Inga | punctata | y | Herb/Keeler | Mangifera | griffithii | n |
| Inga | ruiziana | y | Herb/Keeler | Mangifera | indica | n |
| Inga | rusbyi | y | Herb | Mangifera | lagenifera | n |
| Inga | sapindoides | y | Herb/Keeler | Mangifera | macrocarpa | n |
| Inga | sarayacuensis | y | Herb | Mangifera | magnifica | n |
| Inga | sertulifera_ssp.lepto | y | Herb/Keeler | Mangifera | quadrifida | n |
| Inga | spectabilis | y | Herb | Mangifera | quadrifida_var.longipetiolata | n |
| Inga | stellaeglabra | y | Herb | Mangifera | rufocostata | n |
| Inga | stipulacea | y | Herb | Mangifera | species_1 | n |
| Inga | striata | y | Herb | Mangifera | superba | n |
| Inga | tenuistipula | y | Herb | Mangifera | swintonioides | n |
| Inga | thibaudiana | y | Herb | Mastixia | pentandra | n |

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|--------------|----------------------------|---|-------------|-----------------|----------------|---|
| Inga | thibaudiana_ssp.peltadenia | y | Herb | Mastixia | trichotoma | n |
| Inga | tocacheana | y | Herb | Medusanthera | gracilis | n |
| Inga | umbellifera | y | Herb/Keeler | Melanochyla | angustifolia | n |
| Inga | umbratica | y | Herb | Melanochyla | auriculata | n |
| Inga | velutina | y | Herb | Melanochyla | caesia | n |
| Inga | vismifolia | y | Herb | Melanochyla | fulvinervia | n |
| Inga | yacoana | y | Herb | Melanochyla | species_1 | n |
| Iriarte | deltoidea | n | | Melanochyla | tomentosa | n |
| Iryanthera | grandis | n | Field | Melastoma | malabathricum | n |
| Iryanthera | hostmanniana | n | Field | Melientha | suavis | n |
| Iryanthera | hostmannii | | | Memecylon | amplexicaule | n |
| Iryanthera | juruensis | n | Field | Memecylon | cantleyi | n |
| Iryanthera | paraensis | n | Field | Memecylon | dichotomum | n |
| Ixora | acuminatissima | n | Field | Memecylon | excelsum | n |
| Ixora | killipii | n | Field | Memecylon | lilacinum | n |
| Ixora | panurensis | n | Field | Memecylon | megacarpum | n |
| Jacaranda | copala | y | Keeler | Memecylon | minutiflorum | n |
| Jacaranda | glabra | n | Field | Memecylon | oleifolium | n |
| Jacaratta | digitata | y | Field | Memecylon | oligoneurum | n |
| Justicia | sanchezioides | n | Field | Memecylon | paniculatum | n |
| Klarobelia | napensis | | | Memecylon | pubescens | n |
| Kotchubaea | semisericea | | | Memecylon | wallichii | n |
| Lacistema | aggregatum | n | Field | Mesua | cornerii | n |
| Lacistema | med | n | Field | Mesua | ferrea | n |
| Lacmellea | lactescens | n | Field | Mesua | grandis | n |
| Lacmellea | oblongata | n | Field | Mesua | kunstleri | n |
| Lacunaria | crenata | n | Field | Mesua | lepidota | n |
| Lacunaria | jenmani | n | Field | Mesua | racemosa | n |
| Laetia | procera | n | Field | Metadina | trichotoma | n |
| Laxoplumeria | tessmannii | | | Mezzettia | leptopoda | n |
| Leandra | aristigera | | | Microdesmis | casearitifolia | n |
| Leandra | blanca | n | Field | Micromelum | minutum | n |
| Lecointea | peruviana | n | Field | Microtropis | valida | n |
| Leonia | crassa | n | Field | Miliusa | longipes | n |
| Leonia | glycyarpa_varglycyc | n | Field | Milletia | atropurpurea | n |
| Leonia | glycyarpa_varracemo | n | Field | Milletia | species_1 | n |
| Leonia | occidentalis | | | Mischocarpus | pentapetalus | n |
| Licania | arborea | n | Field | Mitrephora | maingayi | n |
| Licania | aubreuveillei_cf. | | | Monocarpia | marginalis | n |
| Licania | caudata | y | Field | Mussaendopsis | beccariana | n |
| Licania | harlingii | n | Field | Myristica | cinnamomea | n |
| Licania | hipofuzzy | n | Field | Myristica | maingayi | n |
| Licania | longipedicellata | n | Field | Myristica | malaccensis | n |
| Licania | longistyla | y | Field | Myristica | maxima | n |
| Licania | macrocarpa | n | Field | Naudea | officinalis | n |
| Licania | nervifina | y | Field | Neesia | synandra | n |
| Licania | reticulata | n | Field | Neobalanocarpus | heimii | y |
| Licania | silvae_cf. | n | Field | Neolamarckia | cadamba | n |
| Licania | ursolearis | n | Field | Neollsea | zeylanica | n |
| Licania | zigzag | n | Field | Neoscortechinia | kingii | n |
| Licaria | brilliacuspi | | | Neoscortechinia | nicobarica | y |
| Licaria | cannella | n | Field | Neoscortechinia | sumatrensis | y |
| Licaria | guanensis | | | Neouvaria | foetida | n |
| Lindackeria | paludosa | n | Field | Nephelium | costatum | n |
| Lonchocarpus | seorsus_cf. | n | Field | Nephelium | criopetalum | n |
| Loreya | spruceana | | | Nephelium | hamulatum | n |
| Lozania | klugii | n | Field | Nephelium | maingayi | n |
| Lozania | mediana | n | Field | Nephelium | ophiodes | n |
| Lunania | parviflora | | | Nephelium | pallens | n |
| Mabea | comun | n | Field | Nothaphoebe | umbelliflora | n |
| Mabea | superbrundu | n | Field | Ochanostachys | amentacea | n |
| Machaerium | aristulatum | n | Field | Oncodostigma | monosperma | n |
| Machaerium | finiparalel | n | Field | Oncosperma | horridum | n |
| Macrocnemum | roseum | | | Orania | sylicola | n |
| Macrolobium | angustifolium | n | Field | Ormosia | penangensis | n |
| Macrolobium | colombianum_cf. | | | Ormosia | venosa | n |
| Macrolobium | sp.nov. | n | Field | Osmelia | maingayi | n |
| Macrolobium | stenocladum | n | Field | Palaquium | clarkeanum | n |
| Maquira | calophylla | n | Field | Palaquium | gutta | n |
| Maquira | guanensis | n | Field | Palaquium | hexandrum | n |
| Margaritaria | nobilis | n | Field | Palaquium | maingayi | n |
| Margaritaria | sp.nov. | n | Field | Palaquium | obovatum | n |
| Marila | pluricostata_cf. | n | Field | Palaquium | stellatum | n |
| Marila | puntorojo | n | Field | Pandanus | monotheca | n |
| Marmaroxylon | basijugum | y | Field | Pandanus | yvanii | n |
| Matayba | ocho | n | Field | Paranephelium | xestophyllum | n |
| Matisia | bracteolosa | n | Field | Parartocarpus | bracteata | n |
| Matisia | cordata | n | Field | Parashorea | densiflora | n |
| Matisia | longiflora | n | Field | Parastemon | urophyllus | y |
| Matisia | malacocalyx | n | Field | Parinari | costata | y |
| Matisia | obliquifolia | n | Field | Parinari | elmeri | y |
| Matisia | oblongifolia | n | Field | Parinari | oblongifolia | y |
| Mayna | anelio | n | Field | Parishia | insignis | n |
| Mayna | odorata | n | Field | Parishia | paucijuga | n |
| Maytenus | ala | n | Field | Parkia | speciosa | y |
| Maytenus | ebenifolia_cf. | n | Field | Paropsia | variciformis | y |
| Maytenus | macrocarpa_s.l. | n | Field | Pavetta | graciliflora | n |
| Melicoccus | novagranatensis | n | Field | Pavetta | species_1 | n |
| Meliosma | doly | n | Field | Payena | lucida | n |
| Meliosma | vasquezii | n | Field | Payena | maingayi | n |
| Memora | cladotricha | n | Field | Pentace | strychnoidea | n |

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|------------|-----------------------|----|------------|--------------------|-------------------------|---|
| Mezilaurus | extendido | | | Pentace | triptera | n |
| Mezilaurus | triunca | n | Field | Pentaspadon | motleyi | n |
| Miconia | abbreviata | n | Field | Pentaspadon | velutinus | n |
| Miconia | acutipetala | n | Field | Pertusadina | eurhyncha | n |
| Miconia | ampla | | | Phaeanthus | crassipetalus | n |
| Miconia | atenunodu | | | Phaeanthus | ophthalmicus | n |
| Miconia | aurea_cf. | n | Field | Pholidocarpus | macrocarpus | n |
| Miconia | bubalina | n | Field | Phyllanthus | emblica | n |
| Miconia | cazaletii | | | Pimelodendron | griffithianum | y |
| Miconia | centrodesma | | | Pimelodendron | macrocarpum | n |
| Miconia | chocofres | n | Field | Pinanga | malaiana | n |
| Miconia | corine | n | Field | Pinanga | riparia | n |
| Miconia | crasarb | | | Pithecellobium | splendens | y |
| Miconia | decurrens | n | Field | Planchonella | maingayi | n |
| Miconia | elata | n | Field | Planchonia | grandis | n |
| Miconia | elatita | n | Seed/Field | Platea | latifolia | n |
| Miconia | falsarug | | | Platea | species_1 | n |
| Miconia | fosteri | n | Field | Podocarpus | motleyi | n |
| Miconia | grancordata | n | Field | Polyalthia | cinnamomea | n |
| Miconia | grandifolia | n | Field | Polyalthia | clavigera | n |
| Miconia | juanito | | | Polyalthia | glauca | n |
| Miconia | karina | n | Field | Polyalthia | hypoleuca | n |
| Miconia | klugii | n | Field | Polyalthia | jenkinsii | n |
| Miconia | lamprophylla | n | Field | Polyalthia | lateriflora | n |
| Miconia | lugonis | | | Polyalthia | obliqua | n |
| Miconia | medglauca | n | Field | Polyalthia | rumphii | n |
| Miconia | multispicata | n | Field | Polyalthia | sclerophylla | n |
| Miconia | napoana | n | Field | Polyalthia | stenopetala | n |
| Miconia | nerviblanco | n | Field | Polyalthia | sumatrana | n |
| Miconia | nervosa | n | Field | Polyosma | laete-virens | n |
| Miconia | pablo | | | Pometia | pinnata_var.alnifolia | y |
| Miconia | pegdorada | n | Field | Popowia | pisocarpa | n |
| Miconia | pilgeriana | n | Field | Popowia | tomentosa | n |
| Miconia | poepigii | n | Field | Porterandia | anisophylla | n |
| Miconia | prasina | n | Field | Porteria | malaccensis | n |
| Miconia | pterocaulon | n | Seed | Prainea | limpato | n |
| Miconia | punctata | | | Prismatomeris | glabra | n |
| Miconia | purpono | n | Field | Prismatomeris | species_1 | n |
| Miconia | roselegante | | | Prunus | arbores | y |
| Miconia | rugosa | | | Prunus | arbores_var.stipulaceum | y |
| Miconia | sachapurp | n | Field | Prunus | grisea | y |
| Miconia | schunkei | n | Field | Pseudoeugenia | singaporensis | n |
| Miconia | smaragdina | n | Field | Pseuduvaria | macrophylla | n |
| Miconia | tipica | n | Field | Psychotria | griffithii | n |
| Miconia | tomentosa | n | Field | Psychotria | rostrata | n |
| Miconia | trinervia | n | Field | Psychotria | maingayi | n |
| Miconia | tripinervis | n | Field | Psychotria | species_10 | n |
| Miconia | tribeneta | n | Field | Psychotria | species_8 | n |
| Micropolis | brochidodroma | n | Field | Pteleocarpa | lamponga | n |
| Micropolis | dorada | n | Field | Pternandra | coerulescens | n |
| Micropolis | egensis | n | Field | Pternandra | echinata | n |
| Micropolis | guyanensis_ssp.duckea | n | Field | Pterocymbium | tubulatum | n |
| Micropolis | venulosa | n | Field | Ptychopxyis | caput-medusae | n |
| Miquartia | guianensis | n | Field | Ptychopxyis | costata | y |
| Mollia | gracilis | | | Pyrenaria | acuminata | n |
| Mollinedia | killipii | n | Field | Quercus | argentata | n |
| Mollinedia | rojimpreso | | | Quercus | gemelliflora | n |
| Mollinedia | spinilarga | n? | Field | Radermachera | pinnata | y |
| Mollinedia | tomentosa | n | Field | Reinwardtiadendron | cinereum | n |
| Mollinedia | tridentata | n? | Field | Rhodamnia | cinerea | n |
| Moronobea | pablo | | | Rinorea | anguifera | n |
| Mouriri | acutiflora_cf. | | | Rinorea | horneri | n |
| Mouriri | grancoala | n | Field | Rinorea | sclerocarpa | n |
| Mouriri | grandiflora | n | Field | Rothmannia | macrophylla | n |
| Mouriri | intermedia | n | Field | Ryparosa | acuminata | n |
| Mouriri | myrtilloides | n | Field | Ryparosa | fasciculata | n |
| Myrcia | blancanueva | n | Field | Ryparosa | kunstleri | n |
| Myrcia | nitida | n | Field | Sandoricum | becarianum | n |
| Myrcia | pielizard | n | Field | Sandoricum | koetjape | n |
| Myrcia | platatomen | n | Field | Santiria | apiculata | n |
| Myrcia | pseudonitida | n | Field | Santiria | conferta | n |
| Myrcia | splendens | n | Field | Santiria | griffithii | n |
| Myrcia | vertipub | n | Field | Santiria | laevigata | n |
| Myrciaria | amazonica | n | Field | Santiria | oblongifolia | n |
| Myrciaria | floribunda | n | Field | Santiria | rubiginosa | n |
| Myrciaria | intermed | n | Field | Santiria | tomentosa | n |
| Myroxylon | balsamum | n | Field | Sapium | bacatum | y |
| Nauclipsis | glabra | n | Field | Sapium | discolor | y |
| Nauclipsis | imitans_cf. | n | Field | Saprosma | scortechinii | n |
| Nauclipsis | krukovii | n | Field | Saraca | declinata | y |
| Nauclipsis | krukovii_cf. | n | Seed | Saraca | thaipingensis | y |
| Nauclipsis | ulei | n | Field | Sarcotheca | griffithii | n |
| Nectandra | largibrachi | n | Field | Sarcotheca | monophylla | n |
| Nectandra | lineata | n | Field | Sauropus | androgynus | n |
| Nectandra | membranacea | n | Field | Scaphium | linearicarpum | n |
| Nectandra | microcarpa | n | Field | Scaphium | macropodium | n |
| Nectandra | oppositifolia | n | Seed/Field | Scaphocalyx | spathacea | n |
| Nectandra | skinny2 | | | Schoutenia | acrescens | n |
| Nectandra | skinnyret | | | Scleropyrum | wallichianum | n |
| Nectandra | viburnoides | n | Field | Scolopia | spinosa | y |
| Nectandra | yarinensis_cf. | n | Field | Semecarpus | curtisii | n |

| | | | | | | | |
|-------------|------------------------|----|-------|--------|--------------------|-----------------|---|
| Neea | altomini | | | | Semecarpus | rufovelutinus | n |
| Neea | angostintersec | n | Field | | Shorea | acuminata | y |
| Neea | aniboid | n | Field | | Shorea | bracteolata | y |
| Neea | bajio | n | Field | | Shorea | dasyphylla | y |
| Neea | claudia | n | Field | | Shorea | guiso | y |
| Neea | comun | n | Field | | Shorea | hopeifolia | n |
| Neea | daniela | | | | Shorea | lepidota | y |
| Neea | fuzzy | n | Field | | Shorea | leprosula | y |
| Neea | garci | n | Field | | Shorea | macroptera | y |
| Neea | gigante | n | Field | | Shorea | maxwelliana | n |
| Neea | granredonda | n | Field | | Shorea | multiflora | n |
| Neea | micro | n | Seed | | Shorea | ochrophloia | y |
| Neea | mini | n | Field | | Shorea | ovalis | y |
| Neea | paty | n | Field | | Shorea | parvifolia | n |
| Neea | popular | n | Field | | Shorea | pauciflora | y |
| Neea | supercrasa | n | Field | | Sindora | coriacea | n |
| Neea | tela | n | Field | | Sindora | echinocalyx | n |
| Neea | verdeclara | n | Field | | Sindora | velutina | n |
| Neea | verdeseca | n | Field | | Sindora | wallichii | n |
| Neosprucea | grandiflora | y? | Field | | Sloanea | javanica | n |
| Ochroma | pyramidale | n | Field | | Stelechocarpus | cauliflorus | n |
| Ocotea | alamembra | n | Field | | Stemonurus | malaccensis | n |
| Ocotea | argyrophylla | n | Field | | Stemonurus | umbellatus | n |
| Ocotea | bayelshmi | n | Field | | Sterculia | coccinea | n |
| Ocotea | bofo_cf. | n | Field | | Sterculia | cordata | n |
| Ocotea | cernua | n | Field | | Sterculia | hispidissima | n |
| Ocotea | cujumari_cf. | | | | Sterculia | macrophylla | n |
| Ocotea | floribunda | n | Field | | Sterculia | parviflora | n |
| Ocotea | javitensis | n | Field | | Sterculia | rubiginosa | n |
| Ocotea | laurita | n | Field | | Sterculia | species_1 | n |
| Ocotea | leucoxylon | | | | Streblus | elongatus | n |
| Ocotea | longifolia | n | Field | | Strombosia | javanica | n |
| Ocotea | luis | n | Field | | Strombosia | maingayi | n |
| Ocotea | nervijens | n | Field | | Styrax | benzoin | n |
| Ocotea | oblonga | n | Field | | Suregada | multiflora | n |
| Ocotea | scalariformis | | | | Symplocos | cerasifolia | n |
| Ocotea | tessmannii_cf. | n | Field | | Symplocos | cochinchinensis | n |
| Ocotea | ucayalensis | | | | Symplocos | crassipes | n |
| Oenocarpus | bataua | n | | | Symplocos | ophirensis | n |
| Oenocarpus | mapora | | | | Symplocos | rubiginosa | n |
| Ophiocaryon | heterophyllum | n | Field | | Tabernaemontana | corymbosa | n |
| Ormosia | amazonica | | | | Tabernaemontana | malaccensis | n |
| Ormosia | elata | n | Field | | Talauma | candollii | n |
| Ormosia | paraensis | n | Field | | Tarenna | costata | n |
| Ossaea | boliviensis | | | | Tarenna | maingayi | n |
| Otoba | glycyarpa | n | Field | | Tarenna | mollis | n |
| Ouratea | flaquita | n | Field | | Tarenna | species_11 | n |
| Oxandra | mediocris | n | Field | | Tarenna | species_8 | n |
| Oxandra | riedeliana_aff. | n | Field | | Teijsmanniodendron | coriaceum | n |
| Pachira | insignis | n | Field | | Teijsmanniodendron | simplicifolium | n |
| Pachira | punga-schunkei | n | Field | | Terminalia | bellirica | n |
| Palicourea | grandiflora | n | Field | | Terminalia | citrina | y |
| Palicourea | guianensis | n | Field | | Terminalia | phellocarpa | y |
| Palicourea | lasiantha | | | | Terminalia | subspatulata | n |
| Palicourea | nigricans | n | Field | | Termetoemia | corneri | n |
| Paradrypea | subintegrifolia | n | Field | | Tetradisia | porosa | n |
| Parinari | klugii | n | Field | | Thottea | grandiflora | n |
| Parkia | balslevii | | | | Timonius | species_1 | n |
| Parkia | multijuga | y | | Keeler | Timonius | wallichianus | n |
| Parkia | nitida | y | | | Trema | tomentosa | n |
| Parkia | velutina | y | | | Trigonachras | acuta | n |
| Patinoa | paraensis | n | Field | | Trigonastrum | hypoleucum | n |
| Paullinia | xestophylla | n | Field | | Trigonachras | species_1 | n |
| Pausandra | trianae | y | Field | | Trigonopleura | malayana | n |
| Pentagonia | parvifolia | n | Field | | Trigonostemon | laevigatus | n |
| Pentagonia | williamsii_cf. | n | Field | | Trigonostemon | longifolius | n |
| Pentagonia | wurdackii | n | Field | | Trigonostemon | malaccanus | n |
| Pentaplaris | huaronica | | | | Triomma | malaccensis | n |
| Pera | bicolor | | | | Trivalvaria | macrophylla | n |
| Pera | duguet | n | Field | | Trivalvaria | nervosa | n |
| Perebea | angustifolia | n | Field | | Trivalvaria | pumila | n |
| Perebea | guianensis_cf. | n | Field | | Turpinia | ovalifolia | y |
| Perebea | guianensis_ssp._acan | | | | Unknown | sp. | n |
| Perebea | mollis | n | Field | | Urophyllum | glabrum | n |
| Perebea | tessmannii | n | Field | | Urophyllum | hirsutum | n |
| Perebea | xanthochyma | n | Field | | Vatica | bella | y |
| Persea | areolatocostae | n | Field | | Vatica | maingayi | n |
| Persea | persemed | n | Field | | Vatica | pauciflora | y |
| Persea | pseudofasciculata | n | Field | | Vernonia | arborea | n |
| Phyllanthus | attenuatus | n | Field | | Vitex | pinnata | n |
| Phyllanthus | micro | | | | Vitex | quinata | n |
| Phytelephas | tenuicaulis | n | | | Walsura | chrysogyne | n |
| Picramnia | juniniana | n | Field | | Walsura | pinnata | n |
| Picramnia | magnifolia | n | Field | | Xanthophyllum | affine | y |
| Picramnia | mini | n | Field | | Xanthophyllum | amoenum | n |
| Picramnia | pubibul | n | Field | | Xanthophyllum | chartaceum | n |
| Picramnia | pubirecta | | | | Xanthophyllum | ellipticum | n |
| Picramnia | sellowii_ssp._sprucean | n | Field | | Xanthophyllum | euryhynchum | n |
| Piper | aequale | | | | Xanthophyllum | griffithii | n |
| Piper | albertsmithii | | | | Xanthophyllum | rufum | n |
| Piper | arboresum | n | Field | | Xanthophyllum | scortechinii | n |

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|---------------|-----------------------|---|------------|---------------|---------------------------|---|
| Piper | augustum | n | Field | Xanthophyllum | stipitatum | n |
| Piper | bellidi | n | Field | Xanthophyllum | wrayi | n |
| Piper | bellidifolium | n | Field | Xerospermum | species_1 | n |
| Piper | bulada | n | Field | Xerospermum | noronhianum | y |
| Piper | cordipub | n | Field | Xylopia | caudata | n |
| Piper | crassinervium | n | Field | Xylopia | elliptica | n |
| Piper | darkcrasa | n | Field | Xylopia | ferruginea_var.ferruginea | n |
| Piper | falsafuzzy | n | Field | Xylopia | ferruginea_var.oxyantha | n |
| Piper | fuzicort | n | Field | Xylopia | fusca | n |
| Piper | granmini | | | Xylopia | magna | n |
| Piper | macrophyllum | | | Xylopia | malayana | n |
| Piper | maranyonense | n | Field | | | |
| Piper | minibroqui | n | Field | | | |
| Piper | minicord | | | | | |
| Piper | nervi | | | | | |
| Piper | obchic | n | Field | | | |
| Piper | obglab | n | Field | | | |
| Piper | obnervi | n | Field | | | |
| Piper | obtomen | n | Field | | | |
| Piper | obvil | n | Field | | | |
| Piper | peltatum | | | | | |
| Piper | pubescens | n | Field | | | |
| Piper | redonda | | | | | |
| Piper | renato | n | Field | | | |
| Piper | reticulatum | n | Field | | | |
| Piper | scab | n | Field | | | |
| Piper | sesivil | n | Field | | | |
| Piptadenia | pteroclada | | | | | |
| Platymiscium | pinnatum | | | | | |
| Platymiscium | stipulare | | | | | |
| Pleurothyrium | bifidum | n | Field | | | |
| Pleurothyrium | cinereum | | | | | |
| Pleurothyrium | cuneifolium | n | Field | | | |
| Pleurothyrium | glabrifolium | n | Field | | | |
| Pleurothyrium | insigne | n | Field | | | |
| Pleurothyrium | willamsii_cf. | n | Field | | | |
| Plinia | caulimpteso | n | Seed/Field | | | |
| Plinia | cortezablanca | n | Field | | | |
| Plinia | pseudomouriri | n | Field | | | |
| Plinia | unop | n | Field | | | |
| Posoqueria | latifolia | n | Field | | | |
| Posoqueria | longiflora | n | Field | | | |
| Potalia | resinifera | n | Field | | | |
| Poulsenia | armata | n | Field | | | |
| Pourouma | bicolor | n | Field | | | |
| Pourouma | deeplob | n | Field | | | |
| Pourouma | guianensis_ssp.guiane | n | Field | | | |
| Pourouma | medioarco | n | Field | | | |
| Pourouma | minor | y | Field | | | |
| Pourouma | napoensis | | | | | |
| Pourouma | persecta | n | Field | | | |
| Pourouma | tomentosa | n | Field | | | |
| Pouteria | anchalisa | n | Field | | | |
| Pouteria | angostaloopy | n | Field | | | |
| Pouteria | baehiana | n | Field | | | |
| Pouteria | bilocularis | n | Field | | | |
| Pouteria | caimito | | | | | |
| Pouteria | cuspidata_ssp.dura | | | | | |
| Pouteria | cuspidata_ssp.robusta | | | | | |
| Pouteria | doradagrande | n | Field | | | |
| Pouteria | durlandii | n | Field | | | |
| Pouteria | durlandii_ssp.pubicar | n | Field | | | |
| Pouteria | glomerata | n | Field | | | |
| Pouteria | gracilis | n | Field | | | |
| Pouteria | granopaca | n | Field | | | |
| Pouteria | guianensis | n | Field | | | |
| Pouteria | hispida_cf. | n | Field | | | |
| Pouteria | krukovii | n | Field | | | |
| Pouteria | largamembra | n | Field | | | |
| Pouteria | multiflora | n | Field | | | |
| Pouteria | nudipetala | n | Field | | | |
| Pouteria | peciolote | n | Field | | | |
| Pouteria | platyphylla | n | Field | | | |
| Pouteria | procera | n | Field | | | |
| Pouteria | redondita | n | Field | | | |
| Pouteria | reticulata | n | Field | | | |
| Pouteria | rostrata | n | Seed/Field | | | |
| Pouteria | smedobov | n | Field | | | |
| Pouteria | torta_ssp.glabra | n | Field | | | |
| Pouteria | torta_ssp.tuberculata | n | Field | | | |
| Pouteria | tortachica | n | Field | | | |
| Pouteria | tortachicorden | | | | | |
| Pouteria | trilocularis | n | Field | | | |
| Pouteria | vernica | n | Field | | | |
| Pradosia | atroviolacea | n | Field | | | |
| Prestoea | sultzeana | n | | | | |
| Protium | amazonicum | n | Seed/Field | | | |
| Protium | aracouchini | n | Field | | | |
| Protium | brillanodu | n | Field | | | |
| Protium | glabrescens | n | Field | | | |
| Protium | grannodu | n | Field | | | |

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|--------------------|-----------------------|---|--------------|
| Protium | guianense | n | Field |
| Protium | nodulosum | n | Field |
| Protium | sagotianum | n | Field |
| Protium | trifoliolatum | | |
| Protium | unifoliolatum | | |
| Prunus | debilis | y | Field |
| Pseudolmedia | laevigata | n | Field |
| Pseudolmedia | laevis | n | Field |
| Pseudolmedia | macrophylla | n | Field |
| Pseudolmedia | rigida_ssp.eggersii | n | Field |
| Pseudomalmea | diclina | n | Field |
| Pseudopiptadenia | suaveolens | y | Keeler |
| Psychotria | borjensis | n | Field |
| Psychotria | brachybotrya | | |
| Psychotria | caerulea | n | Field |
| Psychotria | deflexa | n | Field |
| Psychotria | dracula | n | Field |
| Psychotria | huampamiensis | n | Field |
| Psychotria | membradomat | n | Field |
| Psychotria | officinalis | | |
| Psychotria | ondulada | n | Field |
| Psychotria | ostreophora | n | Field |
| Psychotria | poepigiana | n | Field |
| Psychotria | remota | n | Field |
| Psychotria | robin | n | Seed |
| Psychotria | stenostachya | n | Field |
| Psychotria | viridis | n | Field |
| Pterocarpus | rhori_cf. | n | Field |
| Qualea | paraensis | y | Field |
| Quararibea | amazonica | n | Field |
| Quararibea | bilobata_cf. | n | Field |
| Quararibea | wittii | n | Field |
| Quina | amazonica | | |
| Quina | florida | n | Field |
| Quina | grandifolia_cf. | n | Field |
| Quina | macrophylla_cf. | n | Field |
| Quina | mediana | n | Field |
| Randia | bigfuzzy | n | Field |
| Randia | gorky | n | Field |
| Randia | manolo | n | Field |
| Rauvolfia | praecox | | |
| Rhamnidium | elaecarpum | n | Field |
| Rhodostemonodaphne | grandis | | |
| Rhodostemonodaphne | juruenis | n | Field |
| Rhodostemonodaphne | kunthiana | n | Field |
| Rhodostemonodaphne | licanoides | | |
| Rhodostemonodaphne | sordida | | |
| Richeria | racemosa | n | Field |
| Rinorea | apiculata | n | Field |
| Rinorea | lindeniana | n | Field |
| Rinorea | viridifolia | n | Field |
| Rollinia | chrysocarpa | n | Field |
| Rollinia | cuspidata | n | Field |
| Rollinia | dolichopetala | n | Field |
| Rollinia | flacaglabra | n | Field |
| Rollinia | glomerulifera | n | Field |
| Rollinia | palida | | |
| Rollinia | pittieri | n | Field |
| Roupala | montana | | |
| Ruagea | insignis | n | Field |
| Rudgea | bracteata | n | Field |
| Rudgea | finia | n | Field |
| Rudgea | japurensis | | |
| Rudgea | nodincho | n | Field |
| Ruizodendron | ovale | n | Field |
| Ryania | speciosa | n | Field |
| Ryania | speciosa_var_toment | n | Field |
| Sagotia | racemosa | n | Field |
| Salacia | atenucrasa | n | Field |
| Salacia | macrantha_cf. | n | Field |
| Sapium | glandulosum_cf. | y | Field/Keeler |
| Sapium | largident | y | Field |
| Sapium | redonda | | |
| Sarcaulus | brasiliensis | n | Field |
| Sarcaulus | peloscotimp | n | Field |
| Sarcaulus | romolerouxii | n | Field |
| Sarcaulus | vestitus | n | Field |
| Schefflera | morototoni | n | Field |
| Schizolobium | parahyba | | |
| Schoenobiblus | perubianus_cf. | n | Field |
| Schoepfia | lucida | n | Field |
| Senna | bacillaris | | |
| Senna | macrophylla_var.gigan | y | Keeler |
| Senna | trolliflora | y | Keeler |
| Simaba | orinocensis | n | Field |
| Simaba | paraensis | n | Field |
| Simaba | polyphylla | n | Field |
| Simarouba | amara | y | Keeler |
| Simira | cordifolia | n | Field |
| Simira | rubescens_cf. | n | Field |
| Siparuna | angostadiente | n | Field |

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|-----------------|--------------------------|----|---------|
| Siparuna | bigl3 | n | Field |
| Siparuna | cervicornis | n | Field |
| Siparuna | cuspidata | n | Field |
| Siparuna | decipiens | n | Field |
| Siparuna | ges | | |
| Siparuna | macrotepala | n | Field |
| Siparuna | poepigii | n | Field |
| Siparuna | thecaphora(1) | n | Field |
| Siparuna | thecaphora(2) | n | Field |
| Siparuna | thecaphora(3) | n | Field |
| Sloanea | fragans | n | Field |
| Sloanea | gigapulvi | n | Field |
| Sloanea | granredonda | n | Field |
| Sloanea | guia | n | Field |
| Sloanea | membramini | | |
| Sloanea | nervi | | |
| Sloanea | oak | n | Field |
| Sloanea | obtusidolia | n | Field |
| Sloanea | oppd | | |
| Sloanea | pequurva | n | Field |
| Sloanea | polvorojo | n | Field |
| Sloanea | pubescens_cf. | n | Field |
| Sloanea | robusta_cf. | n | Field |
| Sloanea | robustipeq | n | Field |
| Sloanea | rufisessi | n | Field |
| Sloanea | synandra | n | Field |
| Smilax | nerviipromin | | |
| Socratea | exorrhiza | n | |
| Solanum | altissimum | n | Field |
| Solanum | grandiflorum | n | Field |
| Solanum | granmini | n | Field |
| Solanum | lepidotum | | |
| Solanum | leptopodum | | |
| Solanum | malletii | n | Field |
| Solanum | scabrosa | | |
| Solanum | sessile | | |
| Solanum | silvaticum | | |
| Sorocea | muriculata | n | Field |
| Sorocea | pubivena_ssp.hirtella | n | Field |
| Sorocea | pubivena_ssp.oligotricha | n | Field |
| Sorocea | sarcocarpa_cf. | | |
| Sorocea | steinbachii | n | Field |
| Spondias | mombin | n | Field |
| Sterculia | apeibophylla | n | Field |
| Sterculia | apetala | | |
| Sterculia | colombiana | n | Field |
| Sterculia | frondosa | n | Field |
| Sterculia | tessmannii | n | Field |
| Strychnos | dariensis_cf. | | |
| Stryphnodendron | porcatum | | |
| Stylogyne | cauliflora | | |
| Stylogyne | longifolia | n | Field |
| Styrax | cordatus | | |
| Styrax | guyanensis | | |
| Swartzia | arborescens | n | Field |
| Swartzia | benthamiana | n | Field |
| Swartzia | bombycina | n | Field |
| Swartzia | cardiosperma | n | Field |
| Swartzia | multijuga | n | Field |
| Swartzia | simplex | n | Field |
| Symphonia | globulifera | n | Field |
| Symplocos | arechea | n? | Field |
| Tabebuia | ochracea | y | Koeeler |
| Tabebuia | serratifolia | y | Koeeler |
| Tabernaemontana | pequea | n | Field |
| Tabernaemontana | sananho | n | Field |
| Tachigali | formicarum | n | Field |
| Tachigali | paniculata | | |
| Tachigali | paraensis | | |
| Talauma | ovata_cf. | n | Field |
| Talauma | tyana | n | Field |
| Talisia | 2-retic | | |
| Talisia | cerasina | | |
| Talisia | gigapulvi | n | Field |
| Talisia | pulvinote | | |
| Tapirira | guianensis | n | Field |
| Tapirira | myriantha_cf. | n | Field |
| Tapirira | obtusa | n | Field |
| Tapura | jurua | n | Field |
| Tapura | peruviana | n | Field |
| Terminalia | amazonia | y | Koeeler |
| Terminalia | axilpub | n | Field |
| Terminalia | ob | y | Field |
| Terminalia | oblonga | n | Field |
| Tessmannianthus | heterostemon | n | Field |
| Tetragastris | panamensis | n | Field |
| Tetrathylacium | macrophyllum | n | Field |
| Tetrorchidium | macrophyllum | y | Field |
| Theobroma | speciosum | n | Field |
| Theobroma | subincanum | n | Field |
| Thyrsodium | paraense_cf. | | |

| | | | |
|----------------|---------------------|---|--------|
| Tococa | guianensis | | |
| Tocoyena | burnham | n | Field |
| Tovomita | alargada | n | Field |
| Tovomita | arbol | | |
| Tovomita | grancrasa | n | Field |
| Tovomita | grande | n | Field |
| Tovomita | tyana | n | Field |
| Toxipha | trifoliolatum | | |
| Trattinnickia | glaziovii_cf. | | |
| Trattinnickia | lancifolia | | |
| Trattinnickia | lawrencei_ssp_boliv | | |
| Trema | micrantha | n | Field |
| Trichilia | adolphi | | |
| Trichilia | cip | y | Keeler |
| Trichilia | densapunta | | |
| Trichilia | elsae | n | Field |
| Trichilia | laxipaniculata | | |
| Trichilia | maynasiana | n | Field |
| Trichilia | micrantha | n | Field |
| Trichilia | obovata | n | Field |
| Trichilia | pallida | n | Field |
| Trichilia | pleeana_cf. | n | Field |
| Trichilia | poepfigii | n | Field |
| Trichilia | quadrijuga | n | Field |
| Trichilia | rubra | n | Field |
| Trichilia | septentrionalis | n | Field |
| Trichilia | solitudinis | n | Field |
| Trigynaea | triplinervia | n | Field |
| Triplaris | dugandii | | |
| Trymatococcus | amazonicus | n | Field |
| Turpinia | occidentalis | n | Field |
| Unonopsis | floribunda | n | Field |
| Unonopsis | veneficiorum | n | Field |
| Urera | baccifera | n | Field |
| Vantanea | guianensis | n | Field |
| Virola | dixonii | n | Field |
| Virola | duckeii | n | Field |
| Virola | elongata | n | Field |
| Virola | flexuosa | n | Field |
| Virola | fuzzy | | |
| Virola | microfuzzy | n | Field |
| Virola | mollis | n | Field |
| Virola | multinervia | n | Field |
| Virola | obovata | n | Field |
| Virola | pavo | n | Field |
| Virola | surinamensis | | |
| Virola | theiodora | n | Field |
| Vismia | baccifera | n | Field |
| Vismia | bosque | n | Field |
| Vismia | floribunda | n | Field |
| Vismia | macrophylla | | |
| Vismia | sprucei | | |
| Vitex | schunkei | n | Field |
| Vitex | triflora | n | Field |
| Vochysia | braceliniae | n | Field |
| Vourana | anomala | n | Field |
| Warszewiczia | cordata | n | Field |
| Wettinia | maynensis | n | Field |
| Wittmackanthus | stanleyanus | n | Field |
| Xylopia | aromatica_cf. | n | Field |
| Xylopia | cuspidata | n | Field |
| Xylopia | hieria | | |
| Xylosma | tessmannii_cf. | | |
| Zanthoxylum | glanredonda | n | Field |
| Zanthoxylum | margland | n | Field |
| Zanthoxylum | nervi | | |
| Zanthoxylum | pendiente | | |
| Zanthoxylum | perp | | |
| Zanthoxylum | setulosum | y | Keeler |
| Zanthoxylum | sprucei_aff. | n | Field |
| Zanthoxylum | suaave | | |
| Zizyphus | cinnamomum | | |
| Zygia | heteroneura | y | Field |
| Zygia | mediana | y | Field |
| zz | zz | | |